CATALOGUE OF METAL CRAFTS SUPPLIES

METAL CRAFTS SUPPLY CO
PROVIDENCE R.I.

JEWELRY

SILVER AND COPPER WORK
TOOLS AND
MATERIALS

METALS IN SHEET AND WIRE FORM
SOLDERS. ENAMELS
STONES AND FINDINGS

METAL CRAFTS SUPPLY COMPANY
PROVIDENCE, R. I.

2025.56.6.

IMPORTANT INSTRUCTIONS

TO BE FOLLOWED IN ORDERING GOODS FROM THIS CATALOGUE

Before you order study all details carefully. Any point omitted means loss of time in shipment, to the great inconvenience of customers.

Order by number and name of article so that orders may be filled promptly and carefully. When ordering in small quantities please enclose either a check, money order or stamps.

Shipping Instructions. In ordering give explicit directions for shipping. If none are given we shall ship as we think best.

Transportation Charges. When transportation charges are prepaid they will be added to the invoice.

Price List. Because of the unsettled condition of the market, we are issuing a separate price list.

Prices are subject to change without notice.

INTRODUCTION

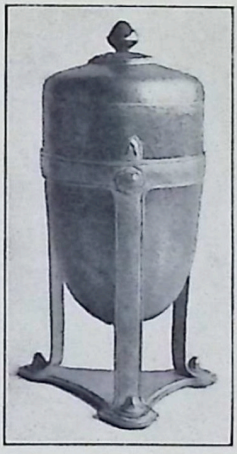
The gold and silversmiths' craft, as practiced centuries ago, has many attractive features that may be adapted or applied to the craft work of the present time. No other craft calls for such skill in the handling of the materials used, or so keen a sense of fine line and proportion in design.

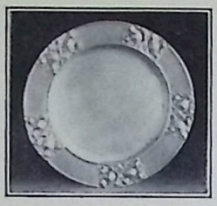
About twenty years ago, work in art metal was first introduced into the school curriculum. Since that time the work has grown and the interest spread until now it is generally recognized as one of the best means of teaching accuracy, adaptability, workmanship and the application of design.

Summer schools and camps all over the country have introduced it as a most valuable craft. Hospitals have included it in their Occupational Therapy work, and Art Schools are now training teachers for this unlimited field.

We have been with this work from the beginning and have made a special study of the tools and materials needed.

We have had the services of Mr. Augustus F. Rose, Head of the Department of Jewelry and Silversmithing of the Rhode Island School of Design in an advisory capacity, who has designed many of the tools needed for this work. Mr. Rose was the first to introduce Art Metal work into the public schools and it is with his permission that we are able to show a few of the illustrations of finished work done by his students.

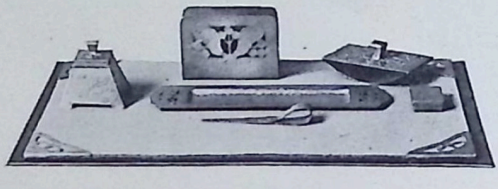




We take pleasure in placing before those interested in educational craft work, this catalogue of tools and materials for jewelry, silversmithing and art metal work including as we have only those tools necessary for the work.

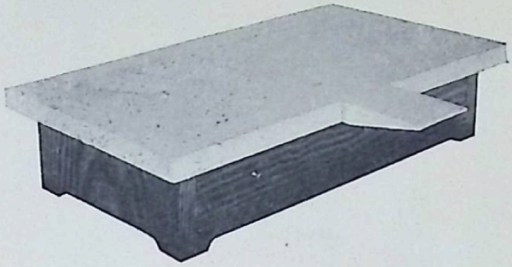
In the past we have enjoyed the patronage of many who are carrying on this work and trust that we may continue to merit their patronage in the future.

We guarantee our tools to be first grade in every respect, and take pride in our reputation for service.



PORTABLE JEWELRY BENCH

No. 600



FOR USE IN THE

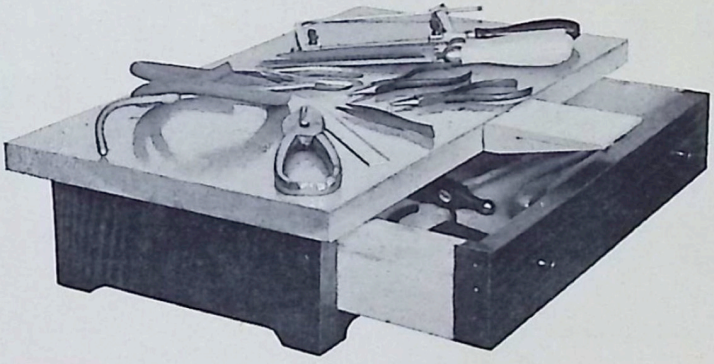
HOME, SCHOOL,

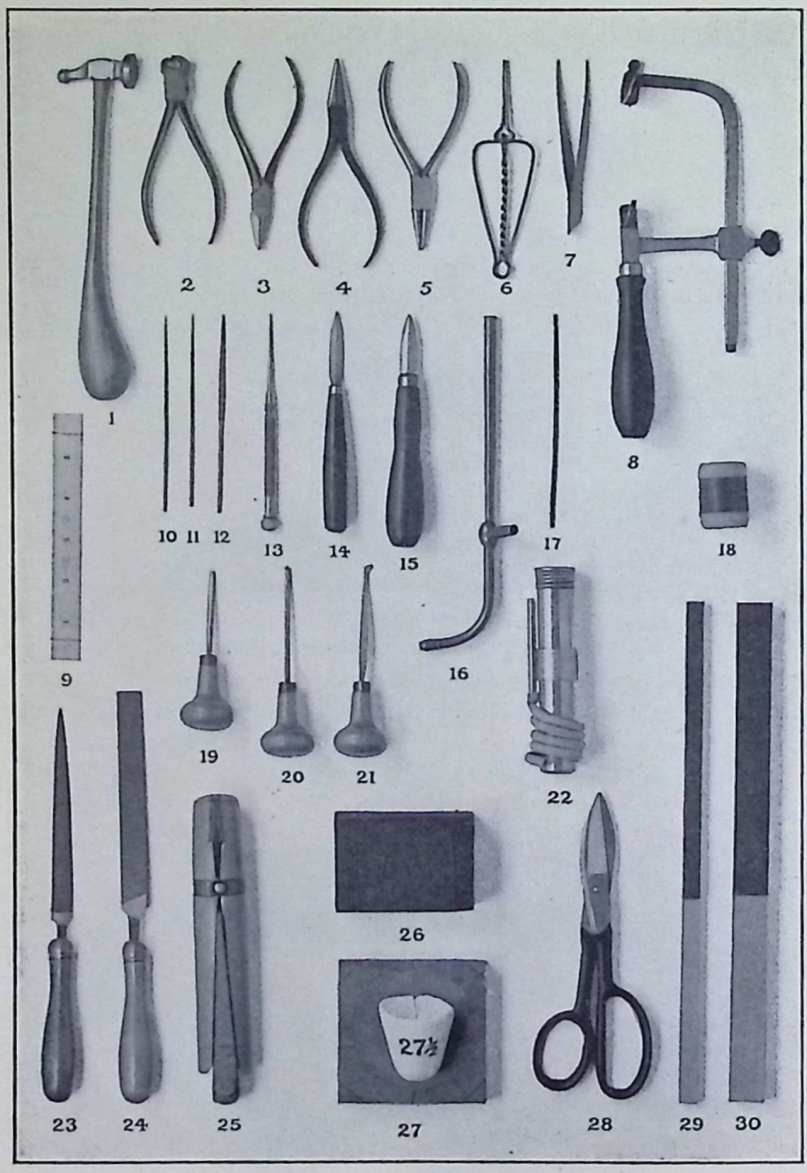
HOSPITAL

AND

CAMP

With this bench it is possible to carry on jewelry work either in the home, schoolroom, hospital or in camp at a small expense. It is made of hard pine with a maple top, 12″ x 21″, and appropriately finished. The bench is fitted with a bench pin and a drawer, or tray, to hold the tools. The drawer has an attachment which supports it at the right height while working, keeping the tools always at hand, and catches all filings and scrap metal. This bench is fitted with either of the following sets of tools: No. 80 or No. 360. See pages 6 and 8.





Set No. 80

This set of 30 tools includes all those necessary for making jewelry, including those used in piercing, soldering and stone setting. If gas is available, No. 16 Blow-pipe is used; if not No. 22 Alcohol Blow-torch.

INDIVIDUAL OUTFIT

Set No. 80

This set is composed of first grade tools in every respect and includes only the necessary tools for school or home use. It is planned for those with or without the use of gas. No. 16 blowpipe is used with gas, and No. 22 alcohol blow torch where gas is not obtainable. In ordering, state whether you want No. 16 or No. 22.

With a few of these sets one could carry work on in the schoolroom and keep several pupils occupied.

This set includes the following tools:

No.		No.	
1	Hammer.	16	Gas blowpipe.
2	End cutting nippers.	17	1 dozen saw blades.
3	Flat-nose pliers.	18	Binding wire.
4	Chain pliers.	19	Stone setting pusher.
5	Round-nose pliers.	20	Diamond-point graver.
6	Wire soldering tweezers.	21	Inside graver.
7	Plain pointed tweezers.	22	Alcohol blow torch.
8	Jewelers' saw frame.	23	Half-round file.
9	6″ steel rule.	24	Flat file.
10	Round needle file.	25	Ring clamp.
11	Square needle file.	26	Charcoal block.
12	Half-round needle file.	27	Borax slate.
13	Scriber.	27½	Borum junk.
14	Scraper.	28	Snips.
15	Burnisher.	29 and 30	Polishing sticks.

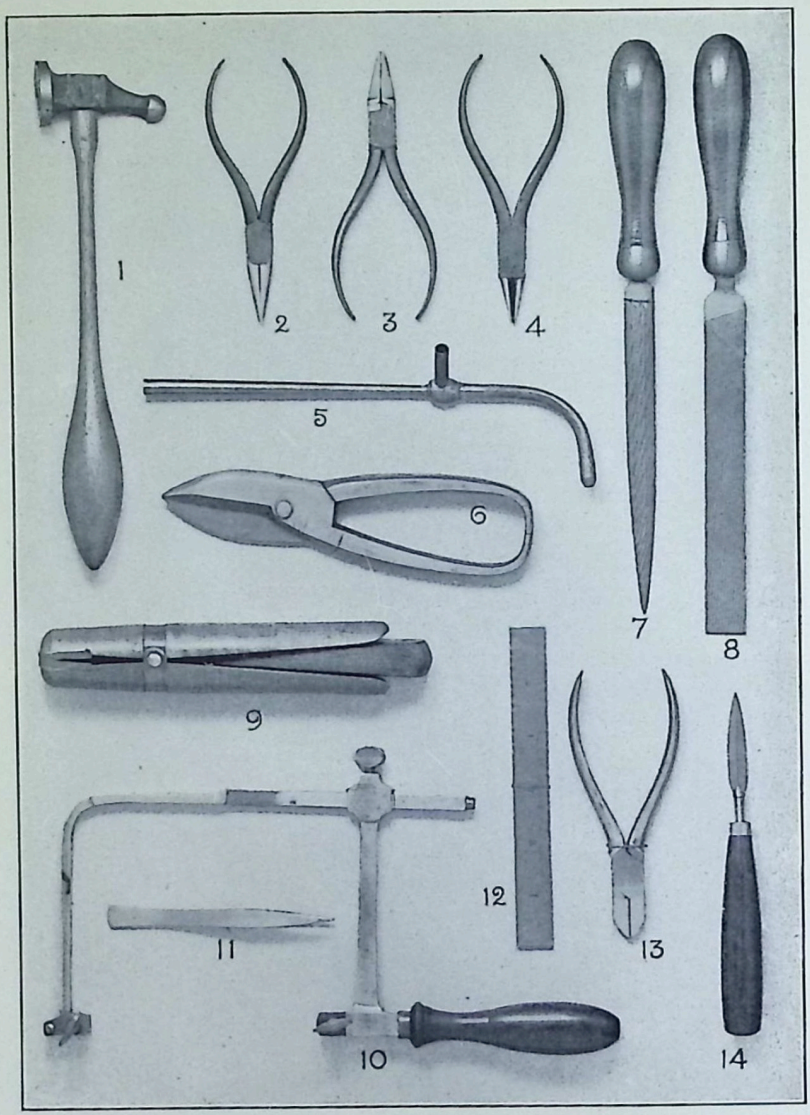
INDIVIDUAL OUTFIT

Set No. 360

See page 8

This set consists of the minimum number of tools necessary for jewelry work where each student has an individual set and where other tools are supplied for general use.

No.		No.	
1	Hammer.	8	Hand file.
2	Chain pliers.	9	Ring clamp.
3	Flat-nose pliers.	10	Saw frame.
4	Round-nose pliers.	11	Tweezers.
5	Gas blowpipe.	12	Steel rule.
6	Shears.	13	Cutting pliers.
7	Half-round file.	14	Scraper.



Set No. 360
See page 7

In addition to the tools illustrated above, this set includes the following: Charcoal block, 1 dozen saws, borax slate, 2 feet of rubber tubing.

CAMP OUTFITS

For Jewelry and Art Metal work

No craft has a stronger appeal to young people in camp than the Metal Craft, as is evidenced by the widespread interest throughout the country in summer camps both for boys and girls. Pieces of jewelry or objects in copper or brass taken home at the end of the camp season are not only admired and appreciated by friends, but are lasting remembrances of camp life.

The equipment necessary to begin jewelry or metal work is very limited and inexpensive. The following suggestions may be found helpful when ordering outfits for this work.

INDIVIDUAL OUTFIT

For Jewelry Work

No.		No.	
271	Saw frame.	352	Half round file.
274	Saws 1 doz.	355	Half round needle file.
308	Round nose pliers.	261	Alcohol blow torch.
306	Chain pliers.	228	Hammer.
314	Tweezers.	334	Charcoal block.

The above list may be multiplied by the number taking the work.

OUTFIT FOR GENERAL CLASS USE

Necessary in addition to Individual Outfit

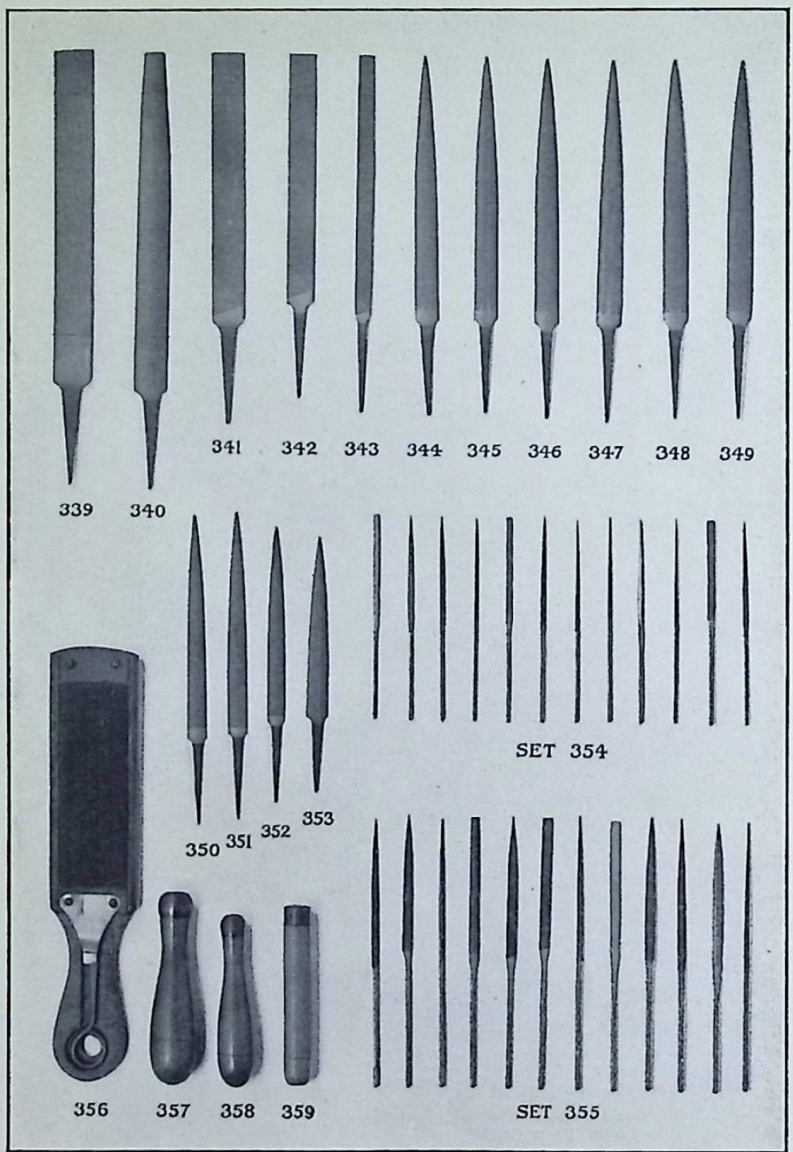
No.		No.	
629	Ring arbor.	285	Hand brush.
646	Surface plate.	295	Hand buff.
305	Flat nose pliers.	643B	Bench pin.
488	Hand drill.	366	Pickle pitcher.
239	Shears.	328	Prepared borax.
403	Rawhide mallet.	330	Borax slate.
615	Bench vise.	325	Binding wire.
244	Cutting pliers.	667	Pumice.
25	Ring clamp.	668	Liver of sulphur.
319	Stone pusher.	669	Powdered borax.
320	Pointed graver.	322	Shellac stick.
317	Burnisher.	336	Asbestos pad 6"
318	Scraper.	321	Inside graver.

OUTFIT FOR LARGER WORK

In Copper, Brass and Silver

No.		No.	
850	Set of anvils.	601	Gasoline gas generator outfit.
235	Raising hammer.	245	Side cutting pliers.
404	Raising mallet.	270	Wing dividers.
403	Rawhide mallet.	300	Tongs.
206	Cast iron hammer.	316	Shears.
209	Cast iron hammer.	341	Hand file.
214	Cast iron hammer.	346	Half round file.
612	Mandrel.	367	Pickle pan.
738	Vise.	366	Pickle pitcher.
646	Surface plate.	665A	Annealing pan.
654	Bench drill press.	642	Bench pin holder.
669	Powdered borax.	667	Pumice.
285	Hand brush.	334	Borax slate.

Copy of Copper Work by "Rose"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SET 354
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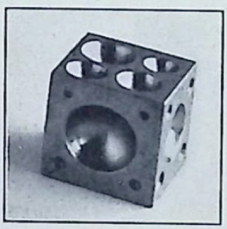
SET 355

FILES

See page 10

The files listed below are "Nicholson" make

No.		No.	
339	8" Hand file, No. 2.	351	5" Half-round file, No. 4.
340	8" Half-round file, No. 2.	352	4½" Half-round file, No. 4.
341	6" Hand file, No. 0.	353	4" Barrett file, No. 4.
342	6" Equaling file, No. 2.	Set	
343	6" Pillar file, No. 2.	354	4¾" Needle files, 1 dozen, assorted shapes.
344	6" Half-round file, No. 0.	Set	
345	6" Half-round file, No. 2.	355	6" Needle files, 1 dozen assorted shapes.
346	6" Half-round file, No. 4.	No.	
347	6" Crossing file, No. 00.	356	File cleaning brush.
348	6" Crossing file, No. 2.	357	4½" File handle.
349	6" Crossing file, No. 4.	358	4" File handle.
350	5" Half-round file, No. 0.	359	4" File handle, straight.



No. 962

DAPPING DIE

No. 962

This Die is made of tool steel with a series of graduated depressions used in connection with Set No. 253 Dapping Tools.

PLIERS, TWEEZERS AND SETTING TOOLS

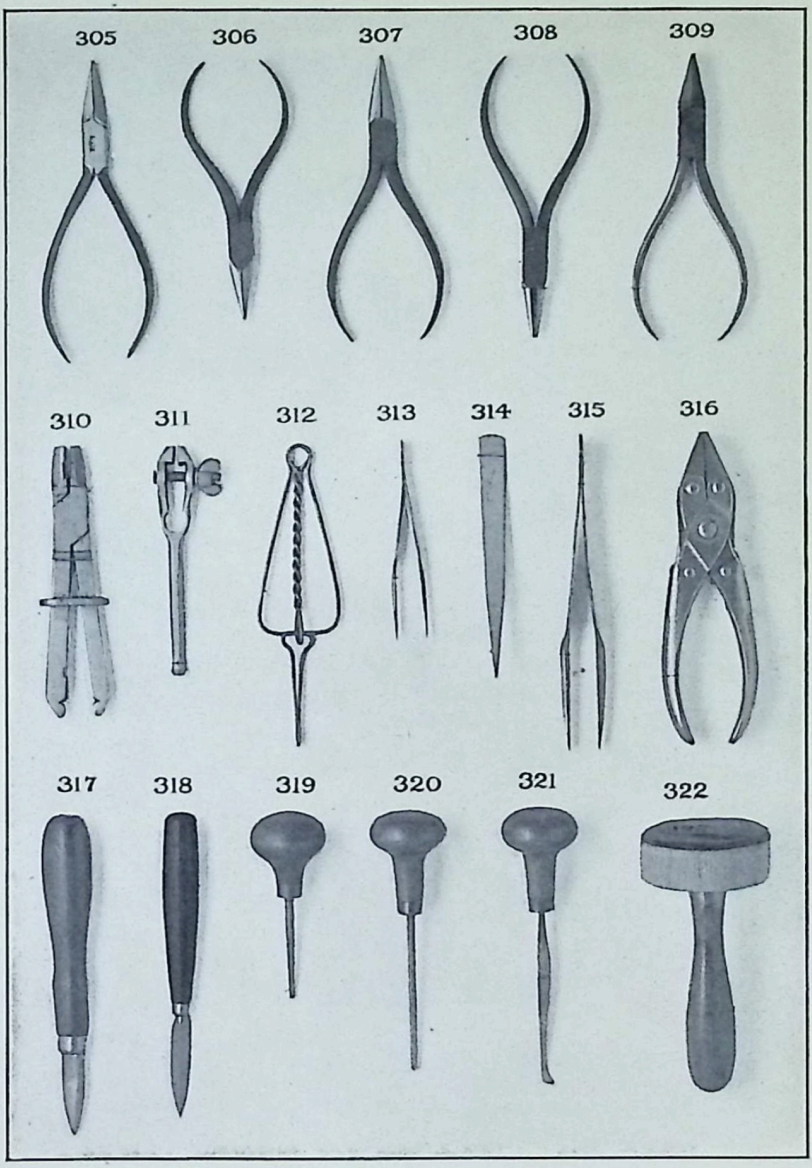
See page 13

No.		No.	
305	Flat-nose pliers, 5″.	314	Tweezers, slim pointed.
306	Chain pliers, 4½″.	315	Tweezers, heavy pointed, 5″.
307	Chain pliers, 5″.	316	Parallel jaw flat-nose pliers, 5″.
308	Round-nose pliers, 5″.	317	Steel burnisher.
309	Flat-nose pliers, 5″.	318	Steel scraper.
310	Vise clip, 5″.	319	Pusher, for stone setting.
311	Pin vise.	320	Diamond point graver.
312	Wire soldering tweezers.	321	Inside graver.
313	Tweezers, heavy pointed, 3″.	322	Shellac stick.

SQUARES, CLAMPS AND SAW FRAMES

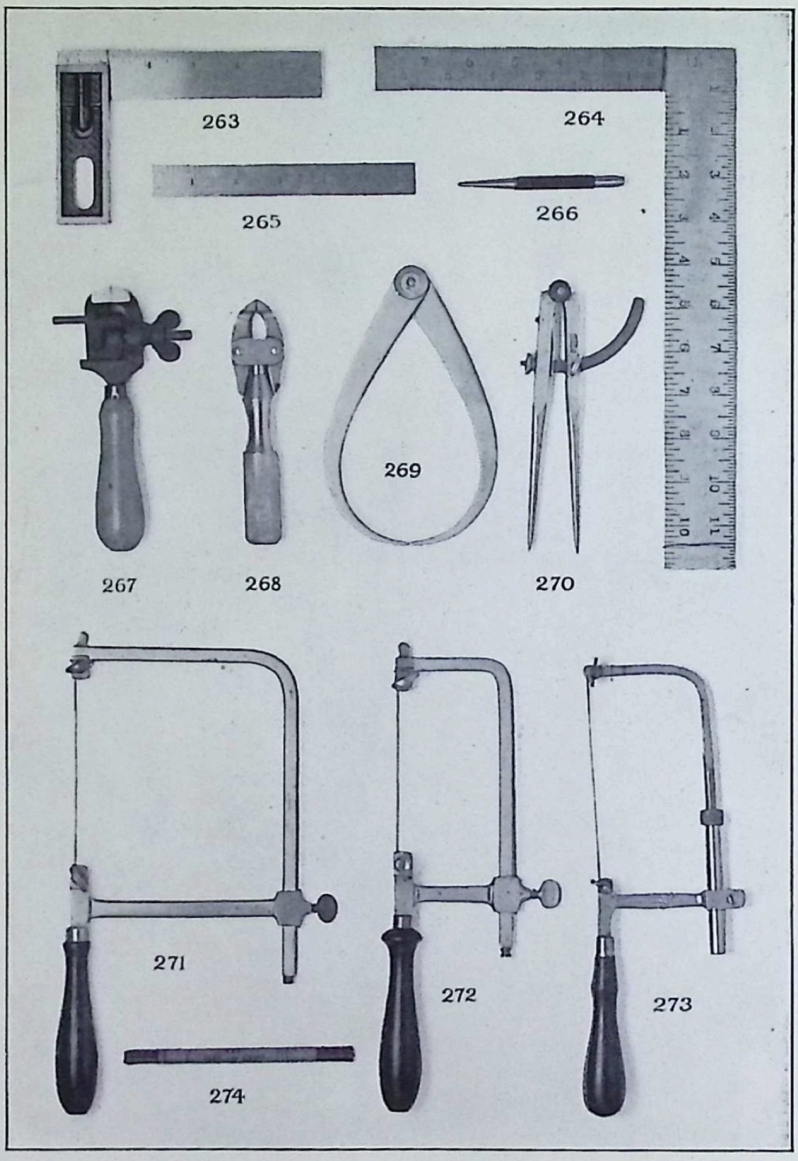
See page 14

263	6″ "Reliable" try-square, graduated blade.
264	12″ thin steel try-square.
265	6″ steel rule.
266	Center punch; length 4″.
267	Hand clamp.
268	Lowell pin vise, nickel plated.
269	6″ improved firm-joint calipers.
270	6″ wing dividers.
271	4″ jewelers' saw frame.
272	2″ jewelers' saw frame.
273	2″ jewelers' saw frame; adjustable, forged spring steel.
274	Metal piercing saws.



PLIERS, TWEEZERS AND SETTING TOOLS

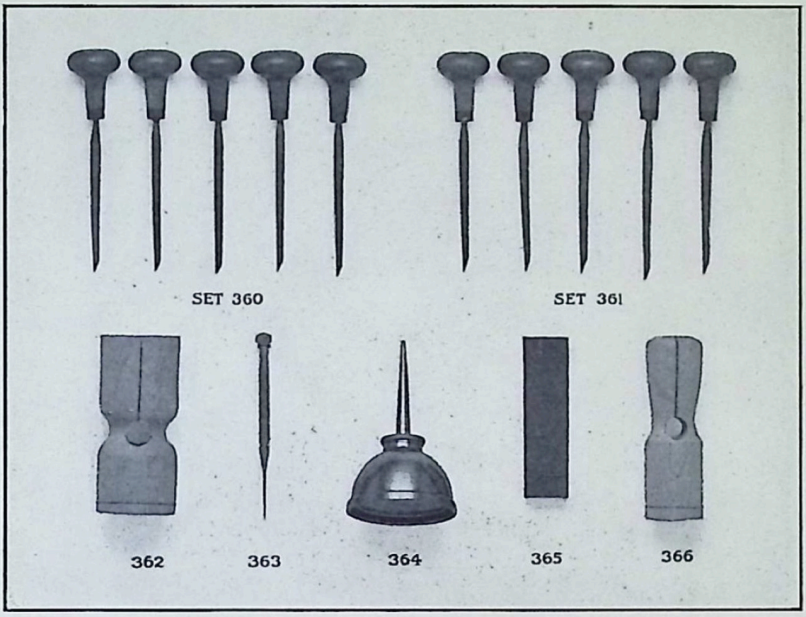
(See p. 12)



SQUARES, CLAMPS AND SAW FRAMES (See p. 12)

ENGRAVING TOOLS

Used in Carved Work and in Engraving Monograms



No.

360 Set of five round gravers (handled and sharpened) ready for use.

361 Set of five flat gravers (handled) ready for use.

362 Engravers' chuck 2″ diameter.

363 Scriber, handle ⅜″ diameter, blade 2⅞″ long.

364 Copper oil can, 2¾″ in diameter.

365 India oil stone, 1⅛″ x 4⅛″ x ½″.

366 Engravers' chuck 1½″ diameter.

Our No. 377 cement is used to stick up work on Nos. 362 and 366 chucks.

When ordering be careful to give name of article as well as number.

BLOW PIPES

No.

255 Gas blowpipe, with stop-cocks. Gas opening requires ½" gas supply pipe.

256 Gas blowpipe, with stop-cocks. 7/16" gas opening, requires ⅜" gas supply pipe.

257 Gas mouth blowpipe.

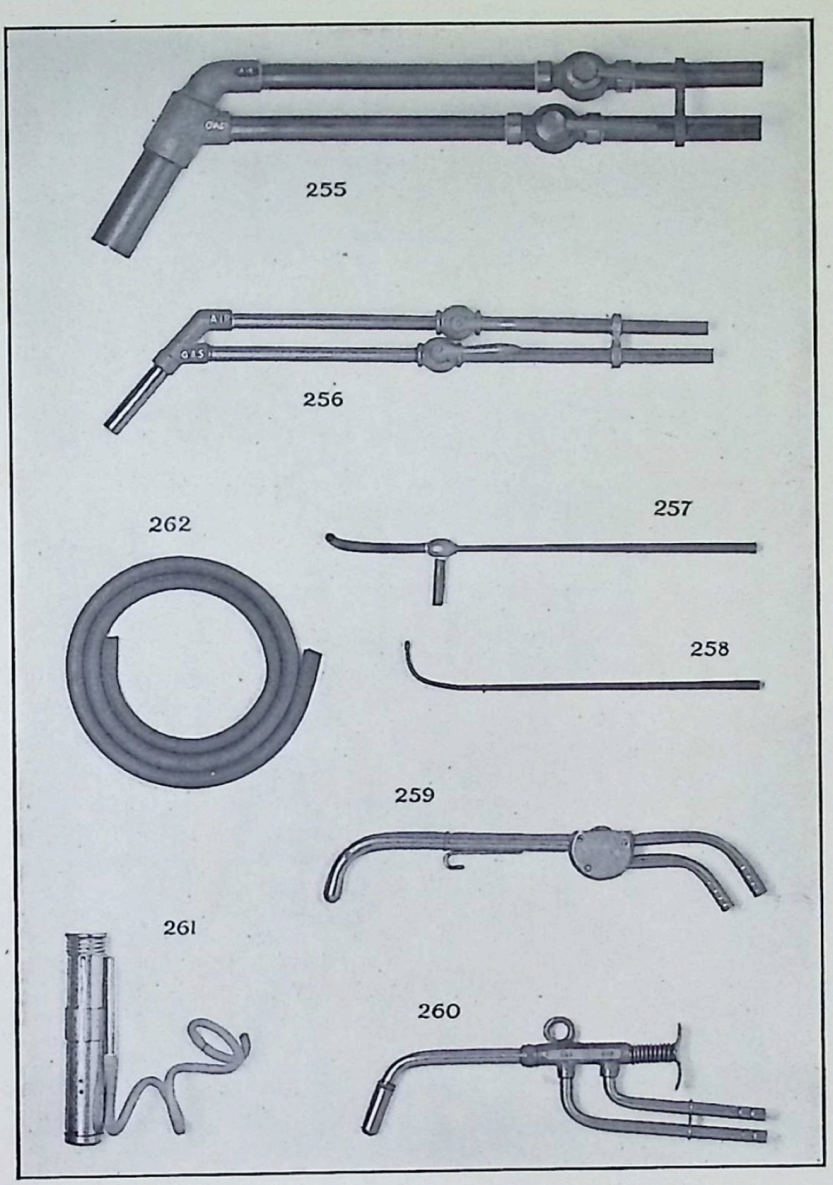
258 Mouth blowpipe, to be used with alcohol lamp.

259 Kerr automatic blowpipe.

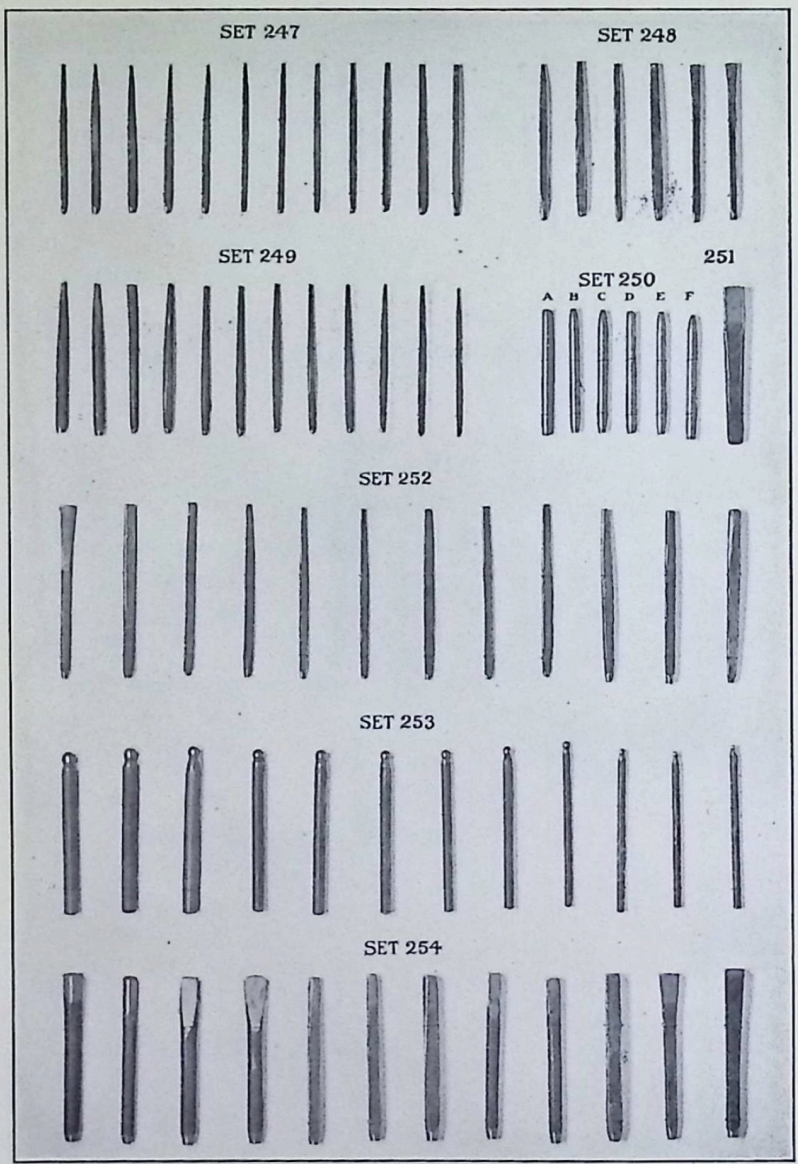
260 Automaton blowpipe. A most convenient pipe for annealing, soldering, and brazing small work.

261 Alcohol blow torch. A most useful torch for soldering light work. Indispensable for work at home or at camp where gas is not obtainable. It has a large wick and allows an adjustable flame, from a long-pointed intense one to a large, soft, slow flame. It heats evenly and penetrates quickly. It gives an absolutely clean flame with no sooty deposit. It is ready in an instant for hard or soft soldering. It will last for years and should be in every home. Directions for using with every torch.

262 Rubber tubing. We can furnish this tubing in red or white rubber. Sizes, 3/16", ¼", ⅜", ½", ⅝", ¾". The sizes given refer to the internal diameter of the pipe.



BLOW PIPES (See p. 16)



CHASING TOOLS AND PUNCHES

CHASING TOOLS AND PUNCHES

These tools are made with special care, of the best tool steel, and are carefully tempered and polished. They are patterns and shapes universally used by chasers and workers in gold, silver, copper and brass.

Set No. 247—Consists of twelve tools, assorted shapes, with small ends, carefully designed, for very fine work.

Set No. 248—Consists of six tools with crescent-shaped end, assorted sizes, for tracing curved lines and shapes.

Set No. 249—Consists of twelve tools, assorted shapes and sizes, with various patterns for matting and background work.

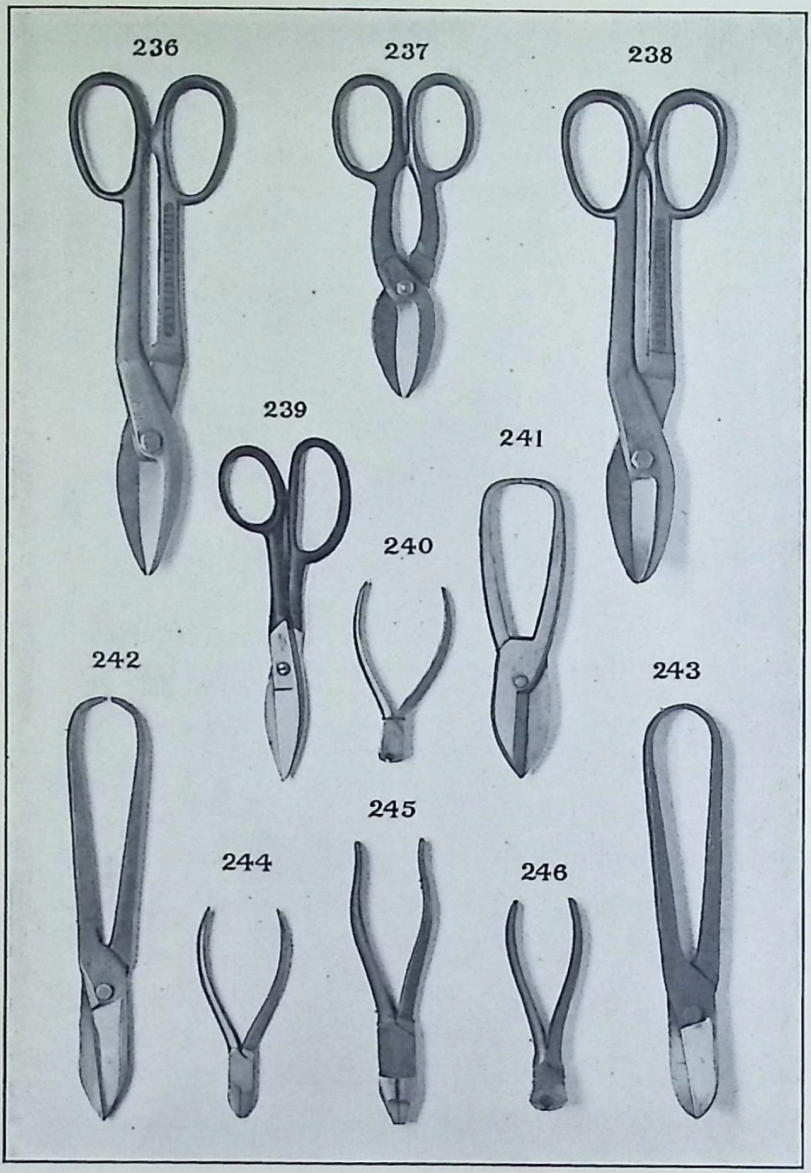
Set No. 250—Rivet Headers. Six tools for shaping rivet heads; three tools are cone-shaped and three hemispherical. These tools are indispensable for work where rivets form a part of the design.
A, B, C, Cone-shaped. Size 1/16″, ⅛″, 3/16″.
D, E, F, Round. Size 1/16″, ⅛″, 3/16″.

No. 251—Rivet Set and Header. Size 8, 4″ long.
Made of extra cast steel, japanned, half polished, a very useful tool for work in copper and brass.

Set No. 252—Consists of twelve assorted tools for general work in chasing and repousse. For beginners this set will be found most useful.

Set No. 253—Consists of twelve dapping punches. Sold only in sets.
Sizes, 3/32″ to ⅜″, 4″ long.

Set No. 254— Twelve silversmithing punches of various shapes for general use.

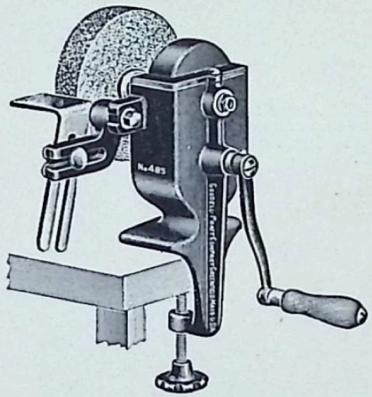


SHEARS AND CUTTING PLIERS

SHEARS AND CUTTING PLIERS

See page 20

No.		No.	
236	Hand shears, straight, 2½" cut.	241	Brown snips, 7".
236A	Hand shears, straight, 1¾" cut.	242	Silversmiths' shears, straight, 9".
237	Pocket snips, 2" cut.	243	Silversmiths' shears, curved, 9".
238	Hand shears, curved, 2½" cut.	244	Diagonal cutting pliers, 4½", 5", Swedish pattern.
239	Light-weight shears, 7½".	245	Side cutting pliers, 5" and 6".
240	End cutter, 4½", Swedish pattern.	246	End cutting nippers.



No. 485

HIGH SPEED BENCH GRINDER

No. 485

This high speed grinder is a very useful tool either in the home, school or camp.

A high grade Abrasive wheel, 5" x 1" is furnished with each. The wheels are particularly selected for sharpening edge tools. Will clamp to any bench less than 2½" thick.

Net weight, 10 lbs. 10 oz.

HAND DRILL

No. 488

An exceptionally low-priced drill suitable for school and camp use. It will take drills up to 3/16". It is 11½" long and weighs 1¼ lbs.

No. 488

BENCH DRILL

No. 653

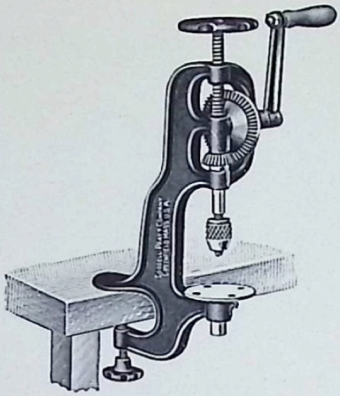
This bench drill has a solid cast iron frame which is designed to give the maximum strength consistent with the lightest weight. It has a hand feed that is controlled by the feed wheel on the top of the steel feed screw.

The table has a turned and polished top and is adjustable for height.

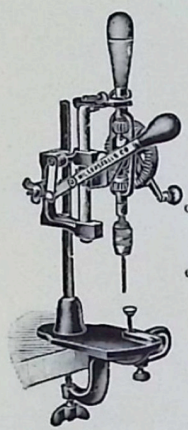
The all-steel chuck has three hardened jaws for holding round shank drills of all sizes from 0 to ¼".

Eight fluted tool steel drill points, 1/16" to 11/64", are furnished with each machine.

Height above table, 13". Net weight, 7½ lbs.
Packed 1 in a wooden case, 16½" x 10" x 6¼".
Shipping weight, 12½ lbs.



No. 653



No. 654

BENCH DRILL PRESS

No. 654

A simply constructed standard and fixtures to hold No. 655 hand drill.

Steel and iron japanned.

Sensitive, compound lever feed. Adjustable clamp to hold drill.

Height between chuck and table, when former is raised to its highest point, varying from 6½" to 7½" according to drill used.

Height of standard above bench, 15½".

Weight (with pasteboard box), 8 lbs.

Note: For prices of drills see hand drills.

Packed 1 in a pasteboard box.

HAND DRILL

No. 655

No. 655

Rare tropical hardwood handle; malleable iron frame; large gear red, and frame black enameled; other metal parts nickeled.

Hollow end handle with screw cap containing 8 wood boring points.

Removable side grip handle. Cut gears with adjustable equalizing bearing. Pinion of steel; ball thrust bearings.

Three jawed chuck of the star pattern with jaws opening evenly by means of springs that will not get out of order. Chuck holds and centers accurately round shanks from 0 to ¼" diameter.

Length, 12½".

Packed 1 in a pasteboard box.

No. 656

HAND DRILL

No. 656

Designed especially for manual training use.

Cast iron frame and large gear enameled black.

Nickeled two-jawed chuck holding straight shank drills from 1/64" to 1/8" in diameter.

Length, 8".

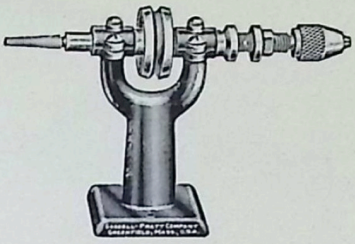
Weight, per dozen (with pasteboard boxes), 8 lbs.

Packed 1 in a pasteboard box.

POLISHING HEADS

POLISHING HEAD
with chuck for drilling

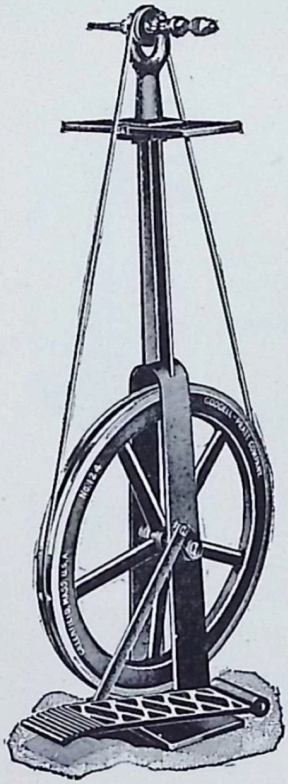
No. 649



No. 649

Solid iron frame, japanned black; steel pulley and adjustable bearing. Flanges for wheels, adjustable from 0 to 7/8". Pulley grooved for 1/4" round belt. Height to center of spindle, 6"; diameter of spindle 7/16"; diameter of pulley 1 13/16". Weight, 2 1/4 lbs.

This head is furnished with a star chuck to hold round shank drills from 0 to 1/4" in diameter.



No. 648

FOOT POWER POLISHING MACHINE

No. 648

This machine is a combination of a foot power, with a plain crank motion, and a No. 649 polishing head.

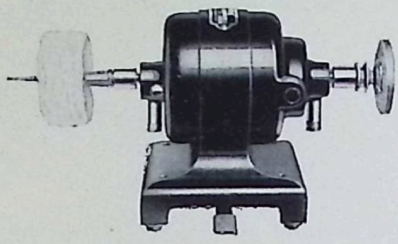
This machine is complete in every particular, and comes all set up ready for work. It is fitted with the necessary amount of round belt. The polishing head has a three-jawed chuck; capacity 0 to 1/4". Finished in red and black enamel.

It is 45" high over all, 38" high to table. The driving wheel is 20" in diameter, and the small pulley 1 7/8". Size of table, 10" x 5". Net weight, 66 lbs.

Shipping weight, 96 lbs.

BUFFING LATHE MOTOR

No. 820



No. 820

This Buffing Lathe Motor is a most useful one for School use. In addition to its usefulness for buffing and polishing it will also be found handy for light grinding.

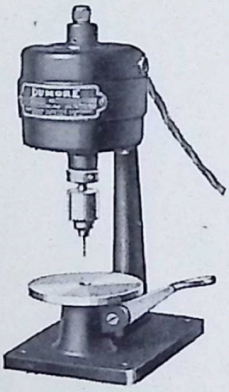
The motor shaft is tapered for a chuck, making it also useful for drilling. It is furnished with complete equipment, including wheel arbor and emery wheel, tapered spindle, rag buff, cord and plug. Small initial cost, freedom from trouble and guaranteed satisfaction are the outstanding features of this machine.

JEWELERS' DRILL

No. 850

This Jewelers' Drill is equipped with a universal motor which automatically adapts the speed to the size of the drill used. The work table is raised and lowered by hand, making the drill as sensitive as the operator's touch. Completely equipped with a six step rheostat, chuck, attachment plug and cord.

Where electricity is available this tool is indispensable.



No. 850

No. 825

FOOT CONTROLLED RHEOSTAT

No. 825

This Rheostat is for use in connection with the No. 850 drill, leaving the free use of both hands while drilling. Each rheostat is equipped with the proper cord with correct plug attachments. An accessory which gives complete satisfaction.

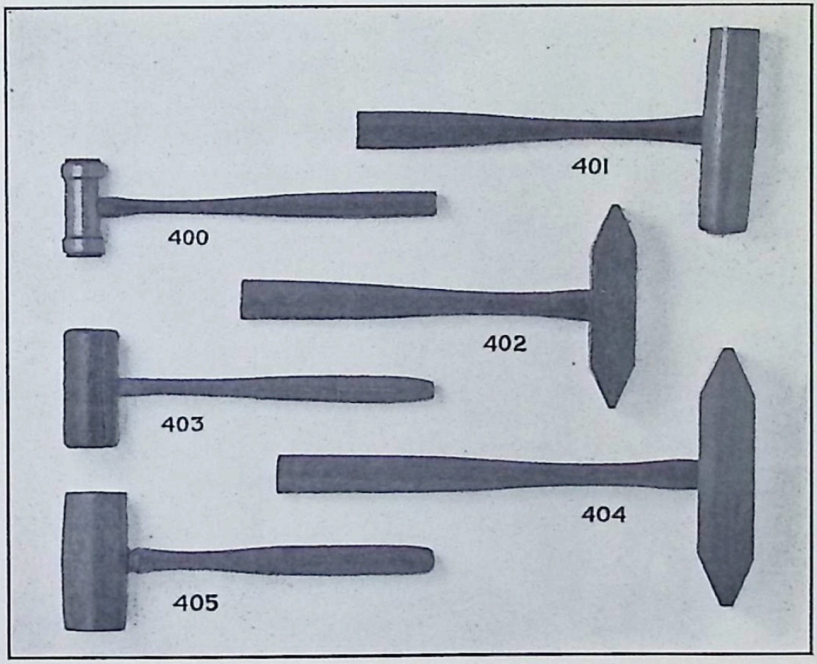
CAST HAMMERS

See page 26

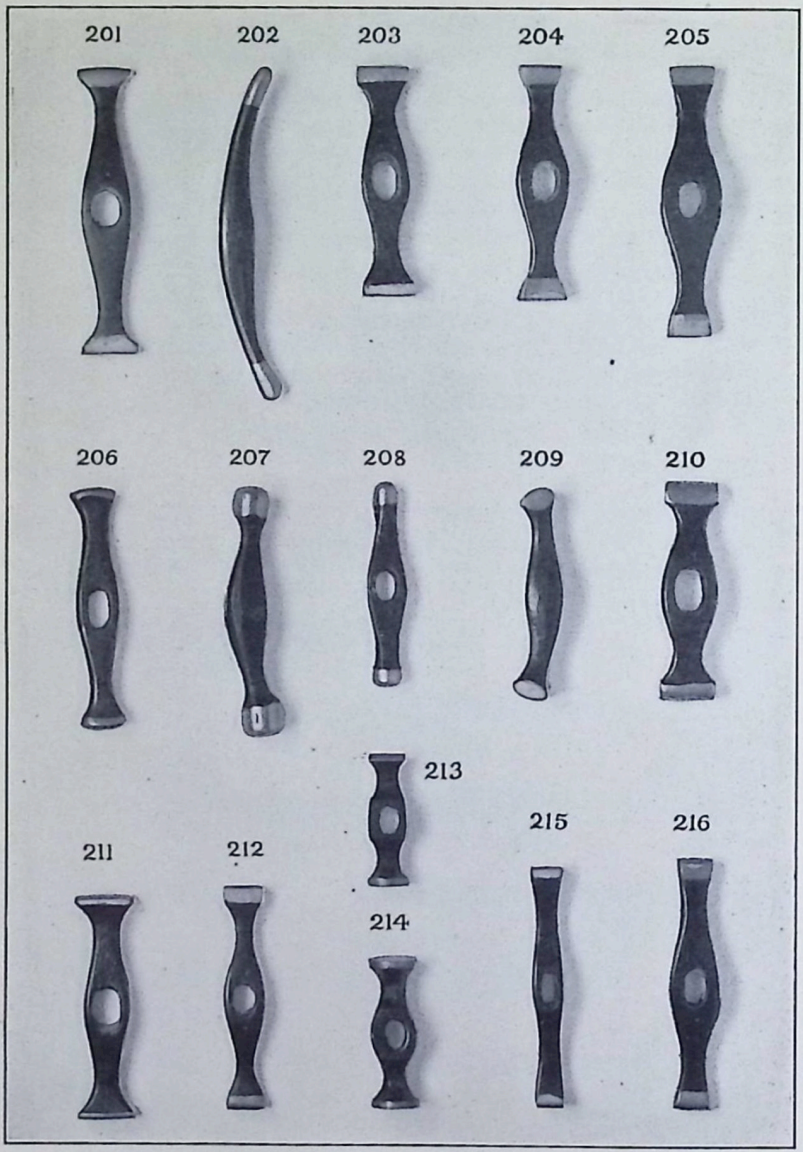
This line of hammers is most complete, including every possible shape required for work in copper, brass and silver. Every equipment should include a variety of hammers with various shaped heads which may be selected to fit each piece of work. They are made of the best cast iron with faces highly polished. They are handled ready for use. Nos. 206-208-209-214 and 216 will be found most useful for beginners. Others may be added to an equipment as needed.

MALLETS

No. 400	Fiber-faced mallet, ⅞" face.
No. 401	Silversmiths' mallet, circular, 1¼" face.
No. 402	Silversmiths' raising mallet, small size.
No. 403	Rawhide mallet, 1¼", 1½" and 1¾" face.
No. 404	Silversmiths' raising mallet, large size.
No. 405	Hickory mallet, 1½" face.



When ordering give name of article as well as number.



CAST HAMMERS

FORGED STEEL HAMMERS

See page 28

These steel hammers are designed to meet the needs of silversmiths and amateur workers in copper and silver.

They are forged from the best tool steel with faces carefully ground, hardened and polished, making a first-class tool in every respect.

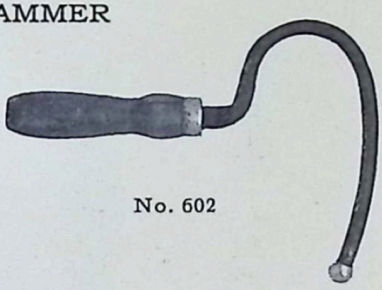
They are especially useful for school work because of their durability.

Nos. 218—232 and 235 are necessary for beginners.

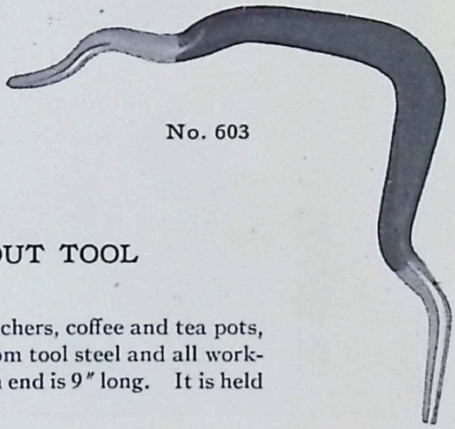
BLOCKING HAMMER

No. 602

This tool is most useful in blocking where other hammers will not reach, especially in deep forms. It is made of the best tool steel hardened and finely polished.



No. 602

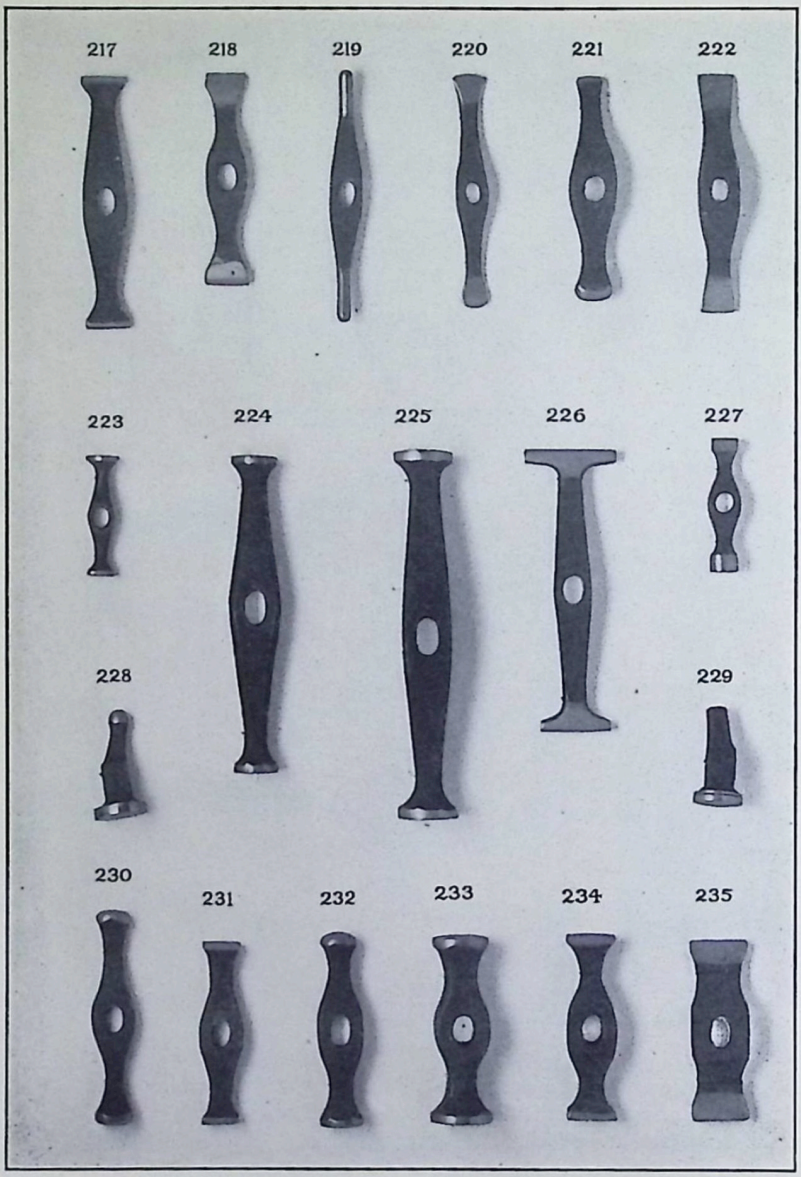


No. 603

HANDLE AND SPOUT TOOL

No. 603

In making handles and spouts for pitchers, coffee and tea pots, this tool is most useful. It is forged from tool steel and all working parts hardened and polished. Each end is 9″ long. It is held in the vise while working.

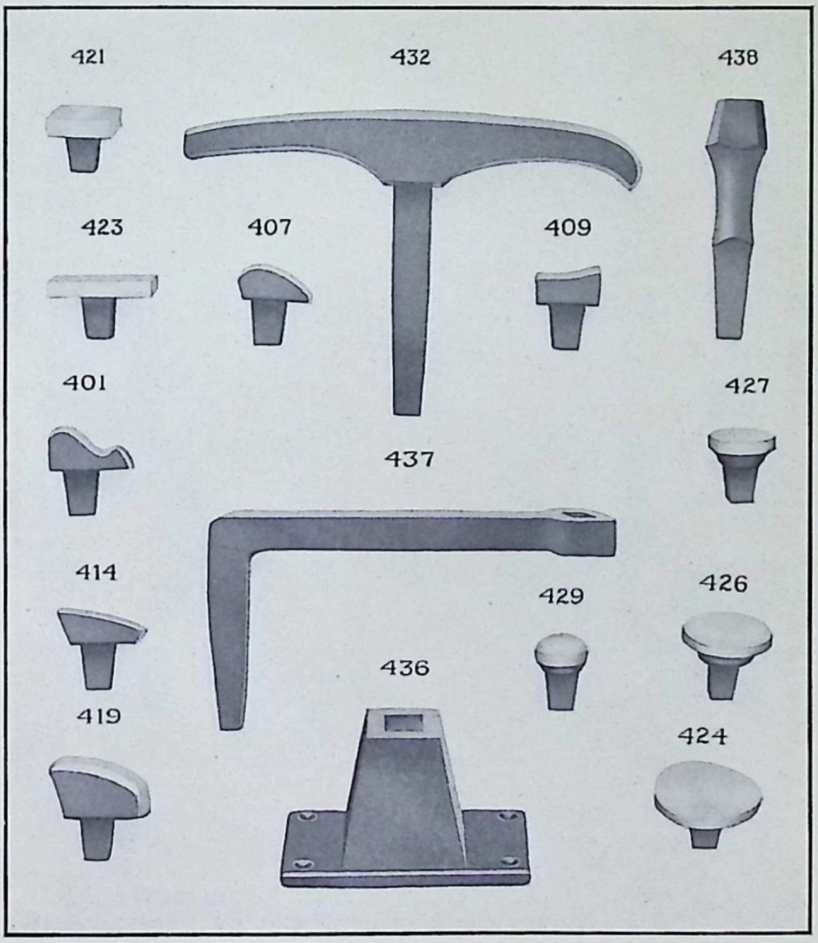


FORGED STEEL HAMMERS

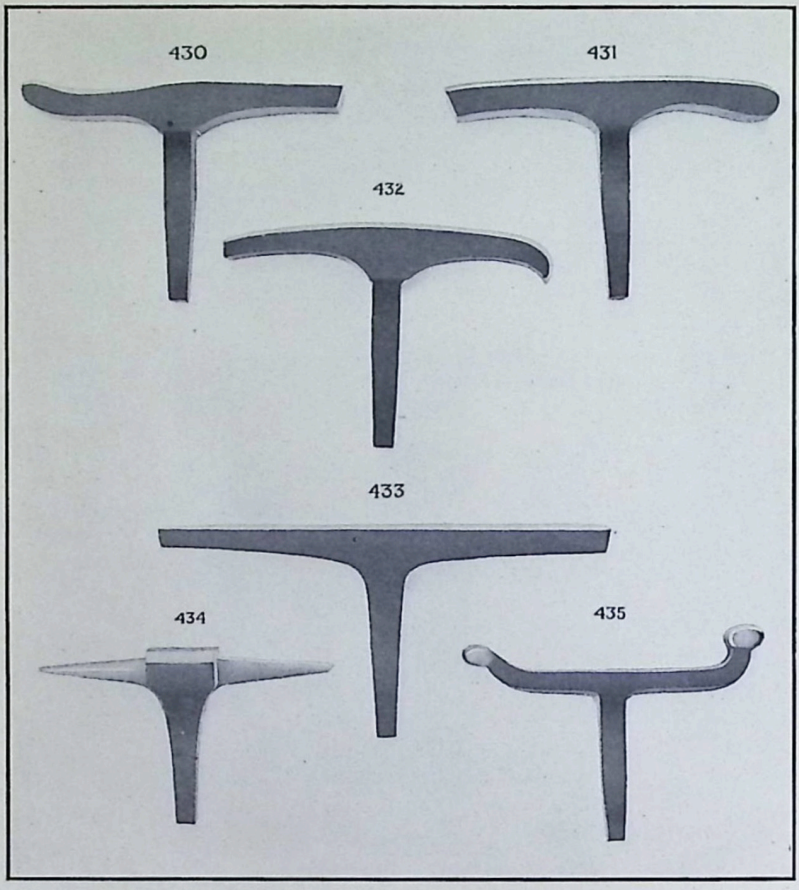
ANVILS

FOR COPPER WORK AND SILVERSMITHING

This set of anvils designed by Rose, author of "Copper Work and Jewelry Making and Design" and head of the Jewelry and Silversmithing Department of the Rhode Island School of Design is planned to meet the needs of those taking up this work whether in educational institutions or as individual craftsmen. It includes all the tools needed for beginners and the illustration above is only a suggestion of what may be accomplished with our tools.



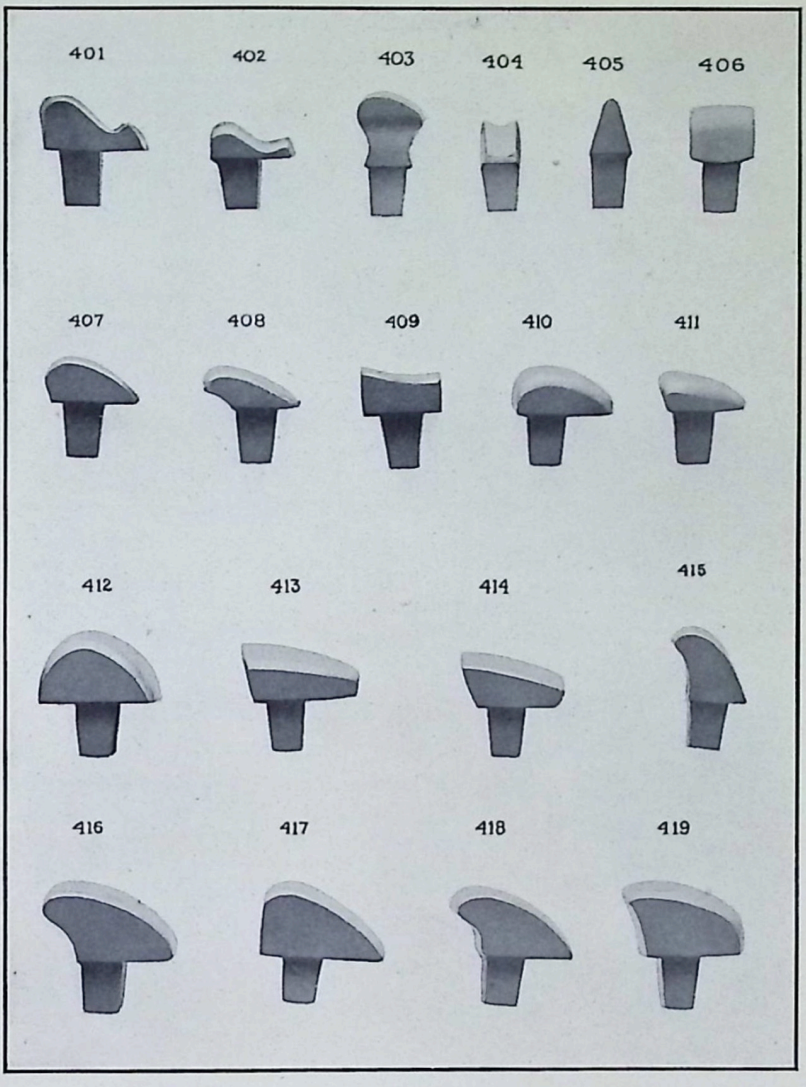
Set No. 850



ANVILS

As one advances in this work a larger variety of shapes and surfaces are necessary. The anvils illustrated above give every shape that one would need. The upright ends are tapered to fit No. 436 Standard. The working surface is carefully ground and highly polished so necessary for the best work.

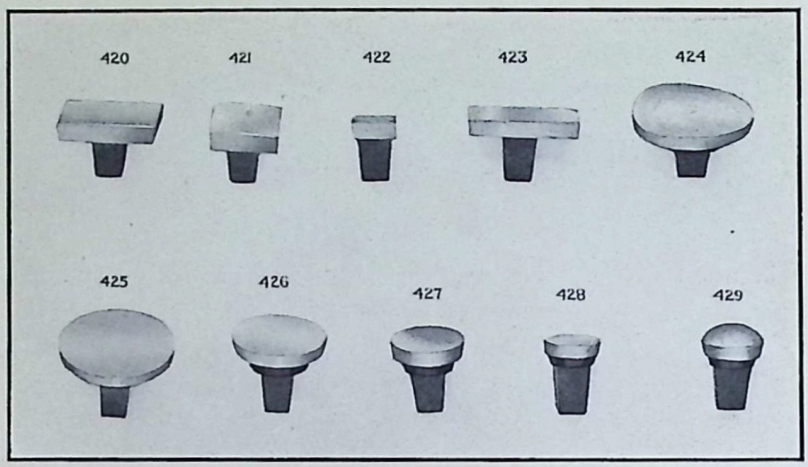
Junior High Schools, Technical High Schools and Universities are taking up this work with most gratifying results, giving it a place in the regular curriculum.



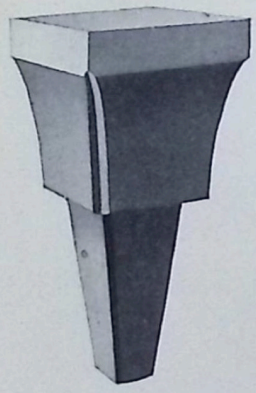
IRREGULAR SHAPED HEADS

This collection of heads give a wide variety to choose from, including all shapes and sizes. Each one is made to fit extension arm No. 437 and by using these heads, the first cost of an equipment is reduced to the minimum. After a little experience in using these tools, any form desired may be produced.

FLAT TOPPED HEADS



A variety of flat topped heads is needed for most work. These square, rectangular, round and oval shapes meet all requirements for use in making boxes, trays and hollow-ware. The top of No. 429 is domed while all the others are flat topped and finely polished.



No. 608

FLAT TOP STAKE

No. 608

This stake is 4½" square and the extreme height is 10½". The top face and sides are finished by machine. With the tapered bottom it is easily fitted to the bench or to the end of a tree block, or it may be held in a vise. It makes a substantial block for school use.

Net weight, 20 lbs.

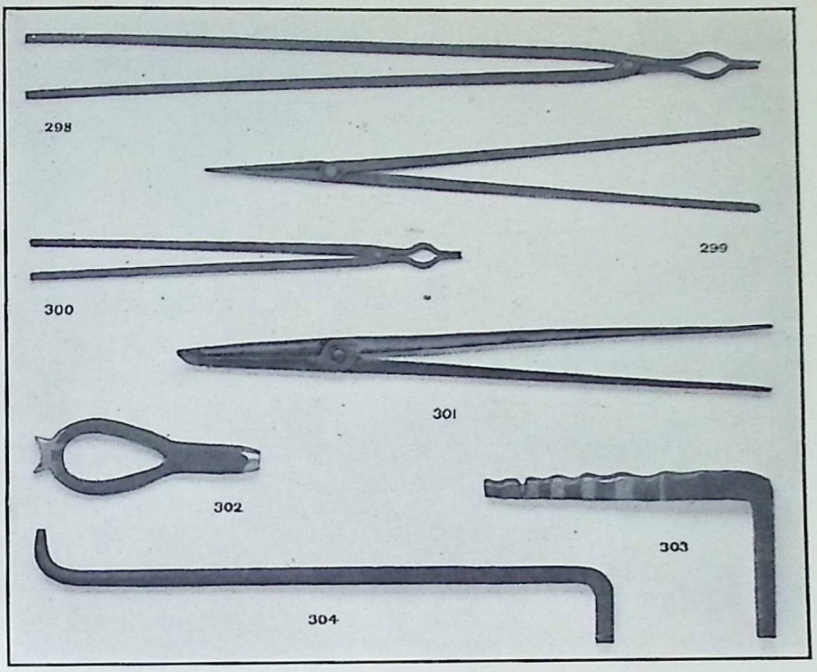
BENDING PLATE

No. 645

Although this plate is useful in many ways it is indispensable for bending pad corners. It is 3" x 4" x 3/16", made of the best tool steel with ground faces.

No. 645

TONGS AND SHAPING TOOLS



298 Annealing tongs, 20″ long.

299 Annealing tongs, 16″ long.

300 Solder tongs, 12″ long.

301 Bent enameling tongs, malleable iron, 17″.

302 Spout and handle tool. This tool is forged from the best tool steel and is used for bending spouts and handles.

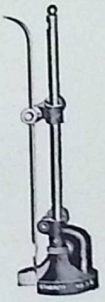
303 Spout and handle tool, for planishing spouts and handles.

304 Snarling iron, made of best tool steel.

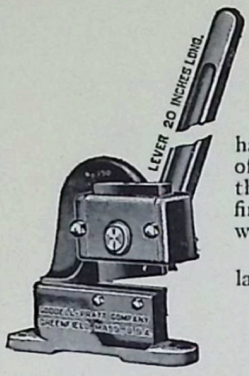
SURFACE GAUGE

No. 606

This gauge gives perfect satisfaction to all who use it. For fine adjustment, the spindle in the base is raised or lowered by a knurled nut. It is 8″ high.



No. 606



BENCH SHEAR

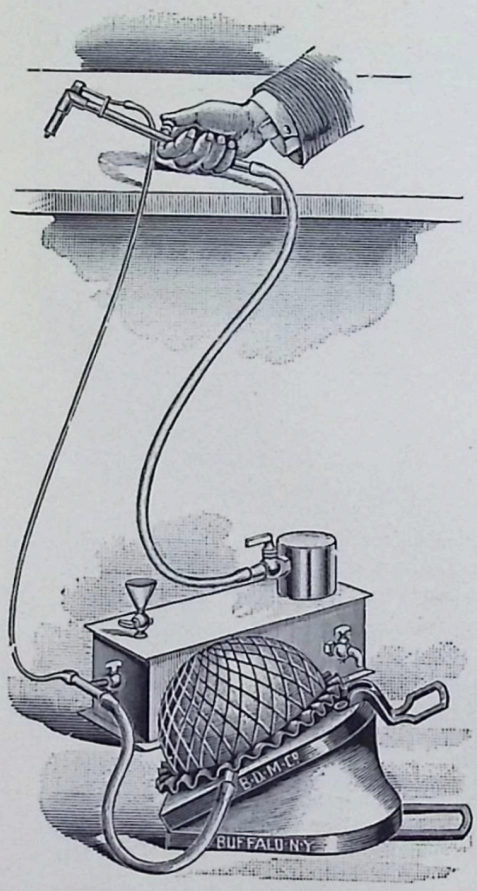
No. 659

The construction of this shear will be appreciated by every one having use for such a tool. The frame is so designed that sheets of any width can be readily cut. The lever is 20″ long, and the tool steel blades have 4″ cutting edges. All iron parts are finished in red and black enamel; steel parts are polished. Net weight, 31 lbs.

Although the opening is 9/16″ at the front, no iron or steel larger than 3/16″ round or flat should be cut.

Packed one in a wooden case, 24½″ x 11″ x 6″.

Shipping weight, 46 lbs.



No. 601

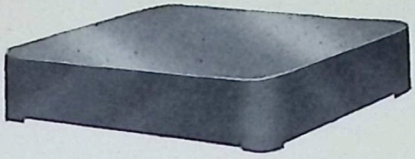
GASOLINE GAS GENERATOR OUTFIT

No. 601

This outfit consists of a blowpipe, foot blower, generator and connecting tubing ready for use. It is extensively used where gas is not available, being a safe and simple arrangement, giving a power and efficiency fully equal to that which can be obtained from coal gas.

Weight, as illustrated, 12 lbs.

SURFACE PLATES



No. 646

SURFACE PLATE

No. 646

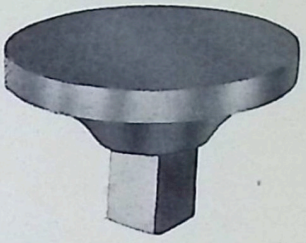
This plate is 7⅜" x 8½" x 2⅛", made of cast iron, and the surface is machine finished. It is a good size for school use. No equipment is complete without one.

CIRCULAR SURFACE PLATE

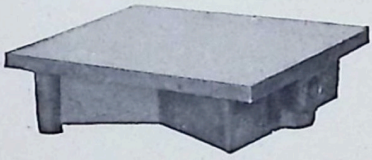
No. 609

This plate is made of the best cast iron and is machine finished top and edge. It is 6" in diameter with a ⅝" edge and is 4" high. It is held in the vise when in use or placed in a hole in the bench. It is heavy enough to make a good surface plate for light work.

Net weight, 11 lbs.



No. 609



No. 610

SURFACE PLATE

No. 610

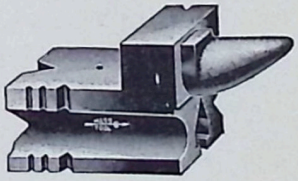
The size of this plate is 4½" x 6" and it weighs about 5 lbs. It is made of the best cast iron and the top and edges are carefully finished by machine. This plate is also furnished with a hand finish for accurate work. Larger sizes can be furnished if desired.

BENCH ANVIL

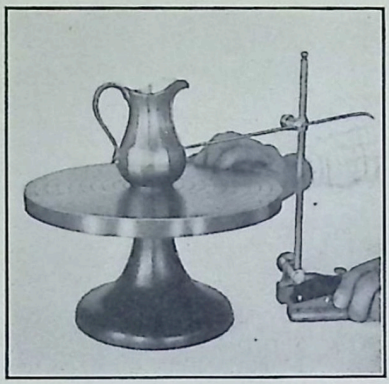
No. 828

This little anvil will be found most useful for schools and jewelry workers. It has planed and squared surfaces, and milled grooves and slots. It serves as a surface plate for small work.

Size 4¾" x 2¼" x 2¼". Weight 2 pounds.



No. 828



A

B

ROTARY SURFACE PLATE

No. 900

This rotary surface plate is made of cast iron with all working surfaces carefully machined. The pinion on which the plate revolves has a specially designed cone-bearing, making it sensitive to the slightest touch.

The surface of the plate is graduated with concentric circles one-half inch apart; also with diameters dividing the circles into 16 parts.

The rotary motion makes it possible to place any object on the plate and with the use of a marking gauge to describe a line about it at any height, always perfectly parallel with the base, as illustrated in Fig. A.

The diameters dividing the surface into different angles make it possible with the use of a square, as shown at Fig. B, to divide an object vertically into any desired number of parts. Without the use of this plate it is impossible to make such divisions accurately.

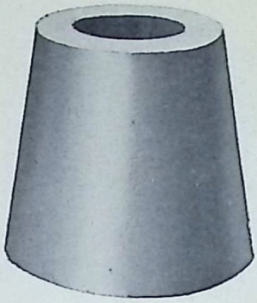
Anyone doing copper work or silversmithing will find this tool most useful.

The diameter of the plate is 12″ and it is ¾″ thick at the edge. The base or standard is 7½″ in diameter, and the plate stands 6½″ above the table or bench.

The net weight of the surface plate is 30 lbs.

This plate can be furnished without the graduations if desired.

MANDRELS



No. 611

LARGE CIRCULAR MANDREL

No. 611

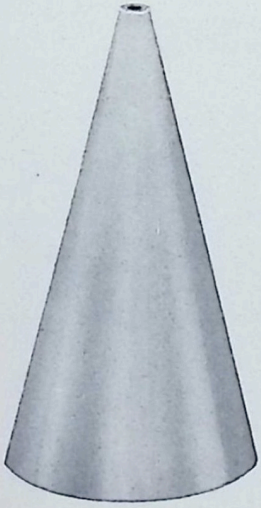
This mandrel is made of cast iron 5″ in diameter at large end, 3¾″ at small end and 5¼″ long. It weighs 11 lbs. It is used for bending or shaping circular work.

SMALL CIRCULAR MANDREL

No. 612

For general work this tool is most useful. It has a turned taper from 2½″ at large end to 5/16″ at small end, and is 14½″ long. The square projection at large end makes it possible to hold it in the vise. It is made of cast iron and weighs 7 lbs.

No. 612



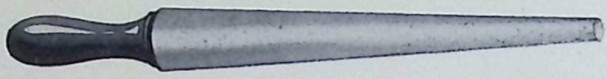
No. 613

CIRCULAR CONE-SHAPED MANDREL

No. 613

Made of cast iron and finished by machine, giving it an accurate taper from 4″ at the large end to ⅜″ at small end. This size is adapted for a variety of work, both large and small. It is 8″ long and weighs 11 lbs.

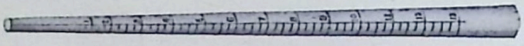
TAPERED ARBORS



No. 627

LONG OVAL ARBOR

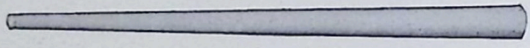
This arbor is made of cast iron and is 16″ long with the working surface polished. It tapers from 1¾″ to ½″.



No. 628

GRADUATED RING ARBOR

Made of tool steel, turned and accurately graduated. It is 14″ long, and tapers from 1″ to ⅜″.



No. 629

PLAIN RING ARBOR

Turned from tool steel and tapered from 1″ to ⅜″. Fourteen inches long.

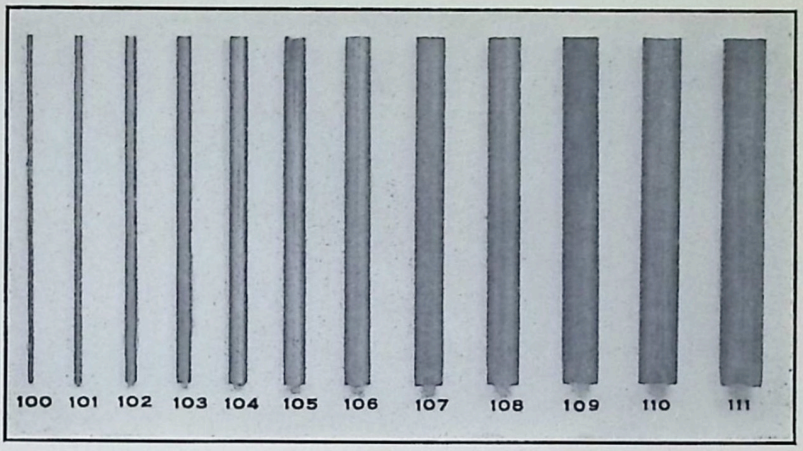
LARGE OVAL ARBOR

No. 630

Made of cast iron with surface highly polished. It is 6½″ long and tapers from 2½″ to 1½″. Useful for shaping bracelets, etc.

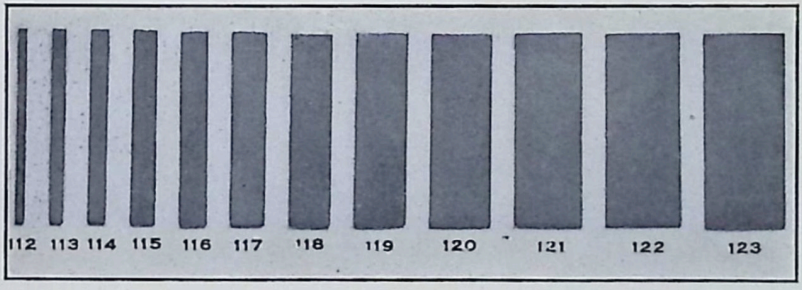
No. 630

ROUND ARBORS



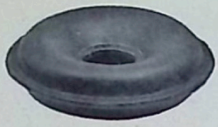
These small arbors, ranging in size from 3/64″ to ⅜″ in diameter, are useful in many ways to the jewelry worker, especially in making small rings and chain. They are made of the best tool steel and 3″ long.

FLAT ARBORS



These arbors are used in making links for chain. They are 3″ long and vary in width from ⅛″ to 1¼″, and in thickness from 1/32″ to 3/64″. They are also useful in many ways for general work.

ENGRAVERS' LEATHER PADS



No. 618

ENGRAVERS' RING PAD

No. 618

This pad is 5″ in diameter. It is made of heavy leather, and is well made. It is used in connection with No. 620 engravers' ball and chuck.

No. 618B 8″ in diameter.

ENGRAVERS' SOLID PAD

No. 619

For general work this pad is most useful. It is 6″ in diameter, and is made of heavy leather hand sewed.

No. 619B 8″ in diameter.

No. 619

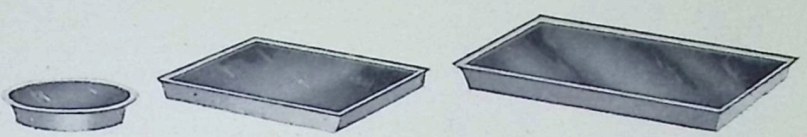
No. 620

ENGRAVERS' BALL AND CHUCK

No. 620

This ball is made of cast iron and weighs 5 lbs. It has a pin which fits into the chuck, No. 362. This makes it possible to get an easy movement with the wrist while working. It is used in connection with No. 618 Ring Pad as shown in illustration.

PITCH PANS



No. 621 No. 622 No. 623

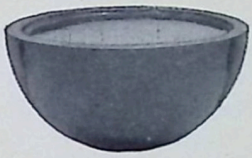
No. 621 Small pitch pan, 5″ in diameter for small work.
No. 622 Square pitch pan, 8″ square, and holds 2½ lbs. composition.
No. 623 Oblong pitch pan, 8″ x 12″, and holds 4 lbs. of composition.
Larger pans made to order. Pitch composition sold in bulk by the pound.

PITCH BOWL

Cast Iron

No. 624

Six inches diameter at top and holds 3 lbs. pitch composition. This bowl is used with No. 618 leather ring pad.
No. 624B 8″ in diameter.



No. 624

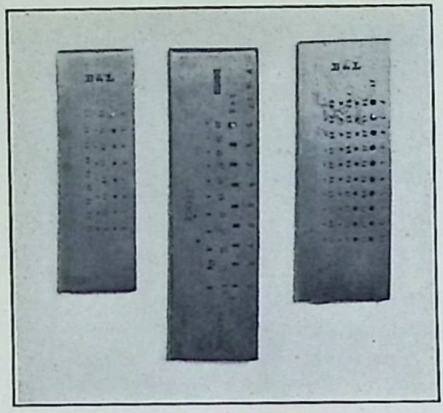
LEAD DAPPING BLOCKS

No. 625

No. 625

These blocks are used for shaping small parts of jewelry.
The oblong block A is 4⅛″ x 2⅜″ x ⅝″ and weighs 2½ lbs.
The circular block B is 2″ in diameter and ½″ thick, and weighs 10 oz.
Larger sizes made to order.

A B C



No. 370

DRAW PLATES

No. 370

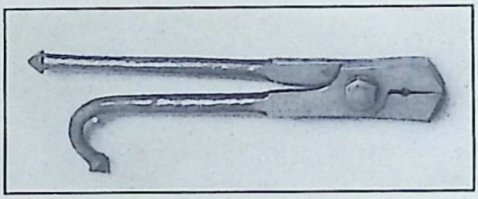
These plates are made with various shaped holes and are hardened ready for use. They are used for reducing the dimensions of wire of various metals.

The plates shown are square A, oblong B, round C. Draw plates are made with holes numbering from 20 to 80 according to the size and number of graduations desired. When ordering be sure to state the shape of hole wanted, the number of holes, also the size of the largest and smallest holes, using B. & S. gauge as a unit of measure.

HAND DRAW TONGS

No. 363

These are used in pulling the wire through the draw plate. The tongs are 8½" long. Jaws 1¾" wide.



No. 363

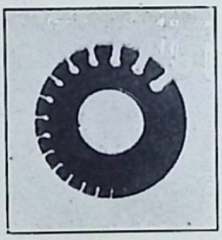
WIRE GAUGE PLATE

B. & S. U. S. Standard

No. 374

These gauges are made from the best steel and are tempered, adjusted and warranted accurate.

They are made with graduation sizes 5 to 36. It is an indispensable tool for workers in metal.



No. 374

PICKLE PAN

No. 367

This pan is made of heavy copper and is necessary when using hot pickle. These pans are sold by the pound, and range in size from 3½ lbs. upward. A 3½ lb. pan is about 5″ in diameter, large enough for general use.

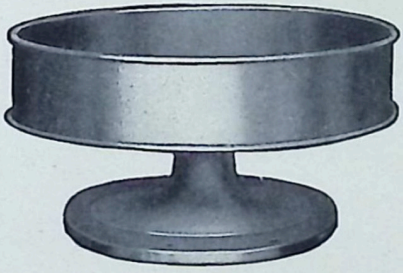
No. 367

No. 366

PICKLE PITCHER

No. 366

These pitchers come in the following sizes, which are mostly used for schools and individual classes. Sizes: 1 qt., 2qt., 3 qt., 4 qt.



No. 665-A

ANNEALING PAN

No. 665-A

In school work an annealing pan is indispensable. The base is made with a bearing so that the pan rotates, making it possible in annealing or soldering to reach all parts of the object with the flame. No. 665-A is our bench standard pan and is made in two sizes. The large size No. 665-A is 18″ in diameter, and stands 10″ above table.

The small size, No. 665-B, is 10″ in diameter, and 6″ high.

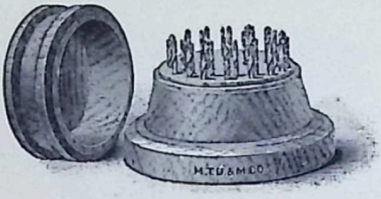
No. 665-C is the same diameter as No. 665-A and is fitted to a floor standard.

No. 372

RING SIZES

No. 372

United States standard nickel-plated flat wire, ring sizes. Twenty-five sizes.



Set No. 641

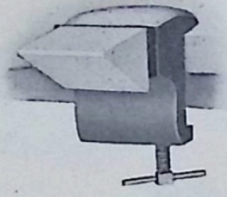
DRILLS

Set No. 641

This set of drills consists of 36 different sizes ranging from 3/64″ to ⅛″ in diameter.

This makes a complete assortment for jewelry or light metal work.

We can also furnish drills in all sizes at prevailing market prices.



No. 642

BENCH PIN HOLDER, PIN AND SURFACE PLATE

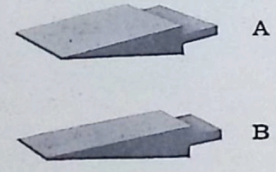
No. 642

Where it is not possible to have a regular bench for jewelry work this bench pin holder can be used on the edge of any table without injuring the table. The holder is made of cast iron and the top is machine finished, making a small surface plate which is found most useful for small work. The pin is made of maple and is 3″ x 2″.

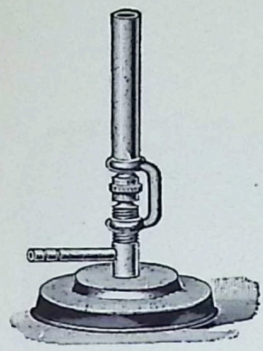
BENCH PINS

No. 643

Made of the best rock maple.
A is 3½″ long by 6½″ wide.
B is 2″ long by 6½″ wide.



No. 643



No. 660

ADJUSTABLE BUNSEN BURNER

No. 660

For burning gasoline gas and other gases of variable quality. In this burner the size of the orifice through which the gas escapes is adjusted by turning the milled cap-nut seen inside the arm which supports the upright tube. The air supply is adjusted by screwing the arm up or down, it being threaded and moving upon the stem, which passes through its lower end. It follows that any desired quantity of flame can be produced with it, and that it will burn any kind or quality of gas, rich or poor.

This burner is most useful in firing enamel on small objects.

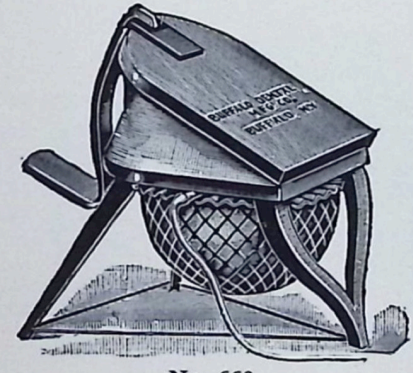
FLETCHER'S SOLID FLAME BURNER

No. 661

The flame is *solid* and the same temperature throughout, the usual heating burners having a flame with a hollow center of unconsumed gas. The burner gives a flame PERFECTLY FREE FROM SMELL. It is simple, strong, cheap and of a power and adaptability unapproached by any known burner.

This burner will, with equal ease, boil an egg in a small tin sauce pan, or melt half a hundredweight of lead in an iron pot. It will boil half a gallon of water in a flat copper kettle in five minutes, and will melt six pounds of lead or solder in an iron ladle in seven minutes.

No. 661



No. 662

FOOT BELLOWS

No. 662

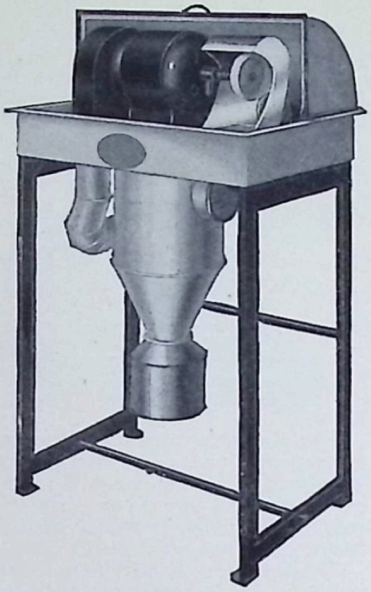
For ordinary blowpipe work this bellows is without a doubt the best on the market. It is simple, portable and powerful, giving a steady blast of air at a pressure from one to nearly two pounds to the square inch. The pedal by which it is operated is very low, allowing the operator to stand or sit at pleasure.

PORTABLE POLISHING BENCH

No. 960

This should be included in every complete equipment. The tray is 16″ x 26″ with a roll top and dust collector made of galvanized steel. The hood is of tin and the legs are of cast iron. This is the most complete Polishing Bench with Exhaust and Dust-Collecting System on the market.

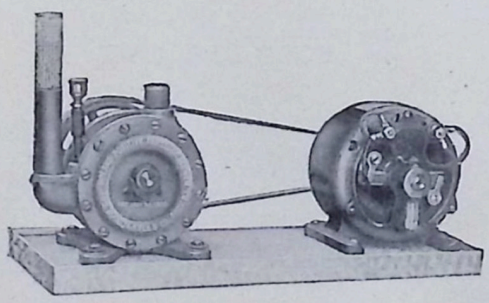
There are no shafts, pullies or belts, thus doing away with possible accidents. No dust for pupils to inhale. It will polish all kinds of work in any shape or size. It is made in three sizes, 16″ x 26″—18″ x 28″—20″ x 32″.



No. 960

POSITIVE PRESSURE BLOWER

MOTOR DRIVEN

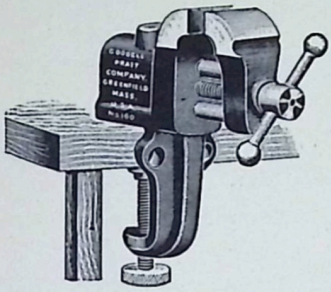


No. 980

No. 980

In schools where it is possible to have a positive air pressure for annealing and soldering, this Blower takes the place of the foot bellows and mouth blow pipe. Easy to set up with no expense for wiring.

BENCH VISES



No. 615

These bench vises are different in design and general appearance from any other small tools of this character. They are constructed to meet the demand for a small vise of better construction than those which have previously been made. They will clamp to any bench less than 1½" thick.

These vises are operated by an accurately cut steel feed screw. Two steel guide rods are provided to insure rigidity. All parts are carefully fitted so that the jaws are easily operated, but without lost motion. After the vise is completely assembled, the jaws are milled so that they will meet accurately.

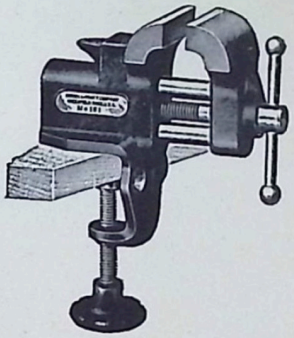
All steel parts are polished and all iron parts are finished with enamel, baked on.

No. 615 Jaw, 1" wide. Jaws open 1½". Net weight, 1⅜ lbs.

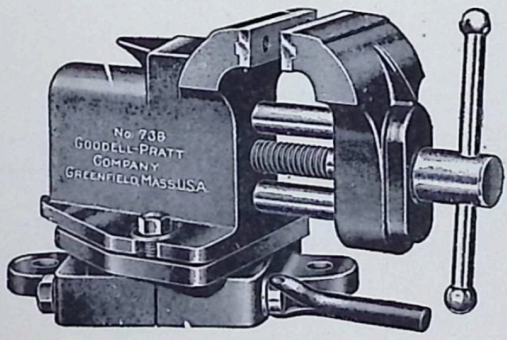
No. 616 Jaw, 2" wide. Jaws open 2". Net weight, 3⅜ lbs.

No. 738 Swivel Vise Jaw, 2½" wide. Jaws open 2½". Net weight, 16 lbs.

No. 738-A same as No. 738 without swivel attachment.



No. 616



No. 738

This is a heavy swivel vise and one that will meet all requirements for school work. The base has a quick, positive lock controlled by the lever handle shown, allowing the vise to be swung to, and locked at any position, instantly.

The jaw faces are made of very tough steel 2½" x ¾", scored and case hardened. Jaws open 2½ inches. Net weight, 16 lbs.

This same vise can be furnished without the swivel attachment.

POLISHING TOOLS

No.		No.	
275	4″ Bristle lathe brush, 3-row.	287	4″ Cotton polishing buff, wood center.
276	3″ Bristle lathe brush, 3-row.	288	3″ Cotton polishing buff, wood center.
277	2″ Bristle brush, 2-row.	289	2″ Cotton polishing buff, wood center.
278	Bristle end brush.	290	2″ Solid felt polishing wheel.
279	Bristle lathe brush, cup shaped.	291	3″ Solid felt polishing wheel.
280	End brush.	292	4″ Solid felt polishing wheel.
281	Hand wash brush, bone handle.	293	Soft bristle bench brush.
282	3″ Wire scratch brush.	294	Hand buff, flat, ½″.
283	Wire end brush.	295	Hand buff, flat, 1″.
284	4″ Wire scratch brush.	296	Jewelers' spiral ring brush.
285	Hand wash brush, wood handle.		
286	5″ Cloth buff.		

297 Felt ring buff.

No. 666

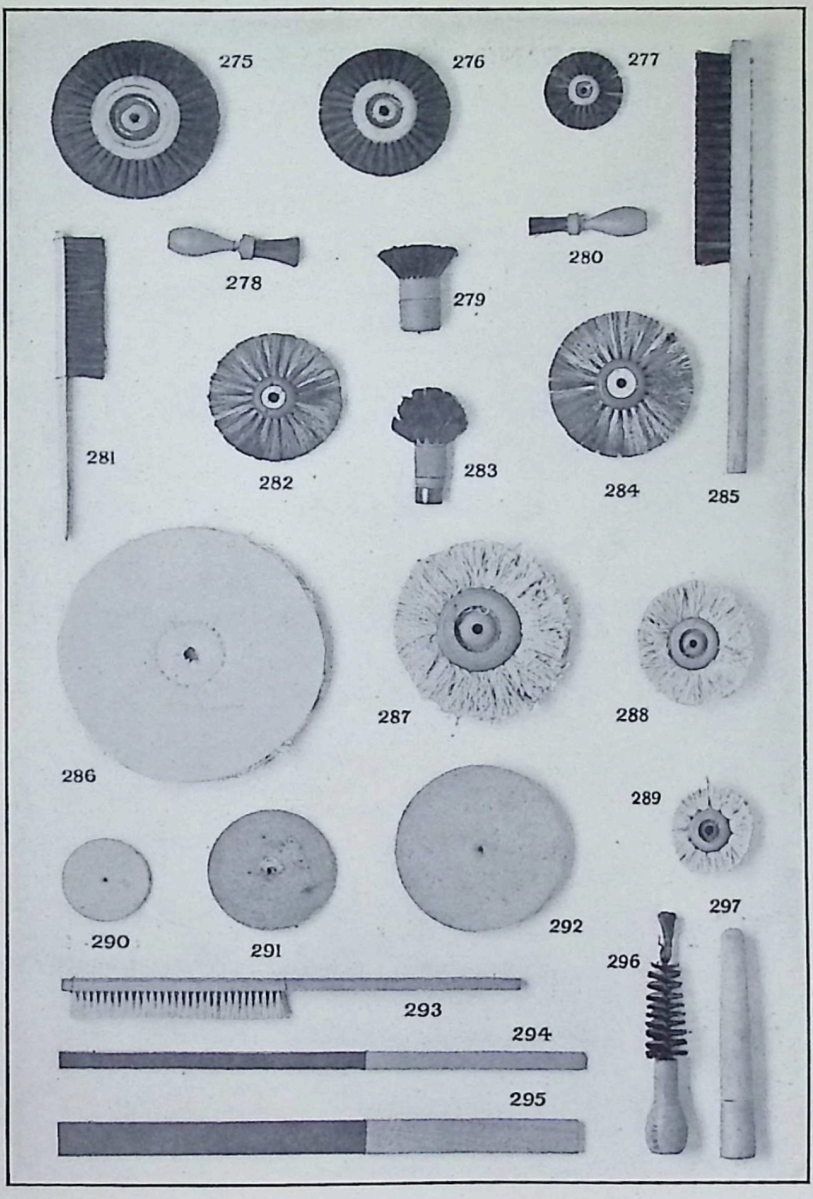
BLACK LEAD CRUCIBLE

No. 666

This black lead crucible is used for melting silver and gold scrap. It is also used for alloying and casting work.

These crucibles are made in many sizes, but a No. 1 size, 2¼″ x 2″, is large enough for most purposes. An ordinary blow-pipe is used to apply the heat.

POLISHING TOOLS



SOLDERING AND POLISHING MATERIALS

No.

323 ¼ lb. coil copper wire, B. & S. gauges, 16, 18, 20, 22, 24.

324 Diamontine, a very fine powder preparation for polishing.

325 ¼ lb. coil iron binding wire, annealed, B. & S. gauges, 20, 22, 24, 26, 28.

326-327 Pearl cement. Both are used universally by jewelers in cementing pearls and drops. Round sticks, ½" diameter by 2½" long.

328 Prepared borax, used in soldering. Wrapped in tinfoil.

329 Borum junk. A hard borax preparation especially useful for school use.

330 Borax slate. Sizes, 4" and 5" square.

331 Spool iron binding wire. Where only a small quantity is needed, each student could be supplied with a spool.

332 Soft-soldering fluid. 2 oz. bottle. This is the most satisfactory fluid on the market; its use makes repair work easy.

333 Jewelers' stick rouge. The best quality for polishing.

334 Charcoal block. Chemically prepared for soldering purposes. Sizes 2¼" x 3¼" and 3" x 4¾".

335 Cake tripoli. Specially adapted for cutting down work to be polished.

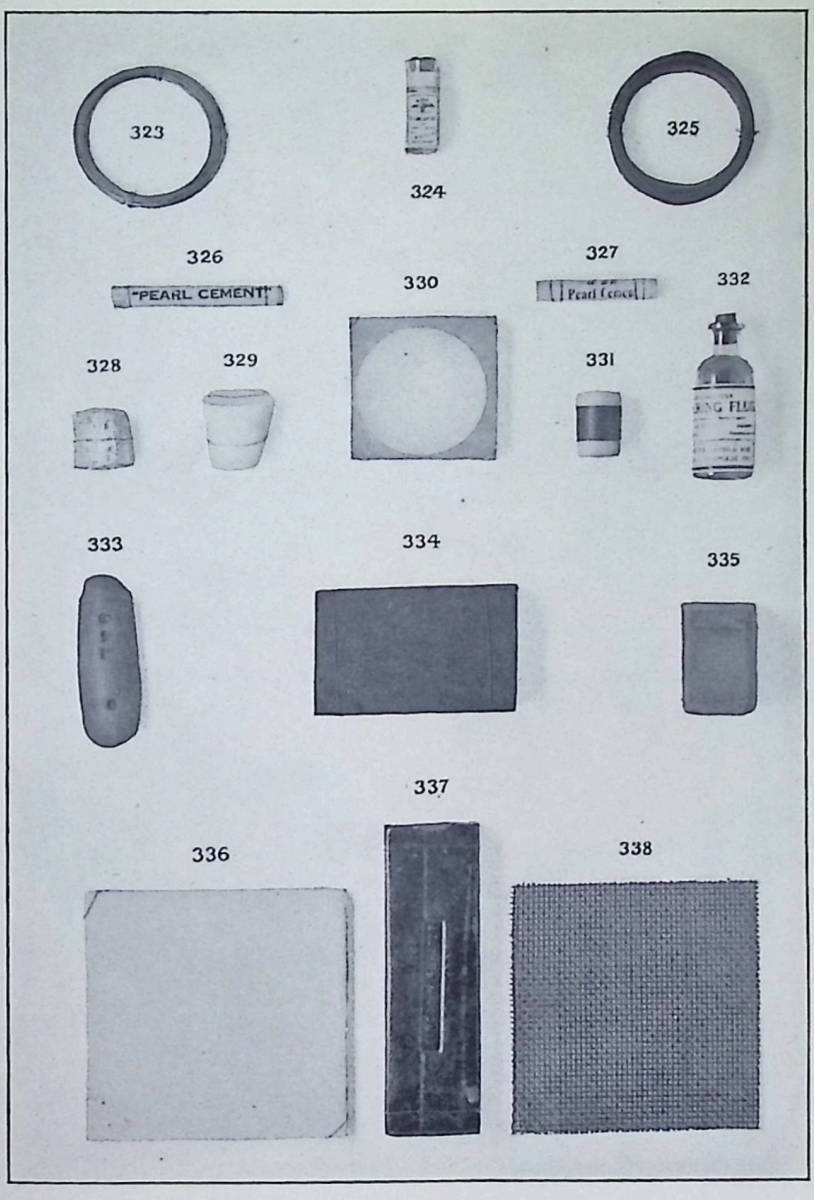
336 Asbestos pad. Sizes, 6" square and 12" square. An inexpensive and durable pad for soldering.

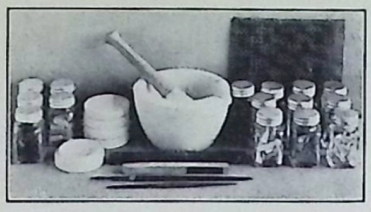
337 Chasers' cement, put up in 1 lb. cakes.

338 Wire netting, 6" square. Used in connection with blowpipe or bunsen burner in enameling. May be furnished in larger sheets if desired.

339 Soft solder in wire form. Order by ounce.

SOLDERING AND POLISHING MATERIALS





Enameling Outfit No. 940

ENAMELS

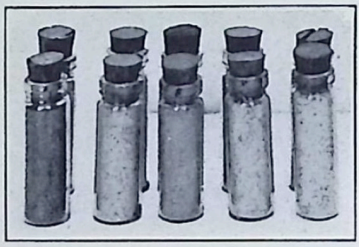
The peculiar gem-like quality of enamel unlike anything else in art materials, gives a charm when applied to objects in metal and adds much to their attractiveness and value. We carry both transparent and opaque enamels, in bulk and ground ready for use. The most satisfactory way to get enamels is to buy it in bulk and grind it as desired. It is impossible to list all of the colors we carry. Our assortments No. 635-A and 636-B make good ones to begin with. Other colors may be added later as needed.

ENAMELING OUTFIT

No. 940

Ten Assorted Transparent Colors in bulk.
Five Assorted Opaque Colors in bulk.
One-half ounce of each color put up in a screw cap bottle.
Wedgewood Mortar and Pestle.
One ounce Flux.
Set of five Porcelain Cups.
Spatula and Brush.
Enamel File and Scotch Stone.
Wire Netting, 6″ x 6″.
Copy of Booklet on Enameling by "Rose."

The above outfit is all that is needed to take up enameling.



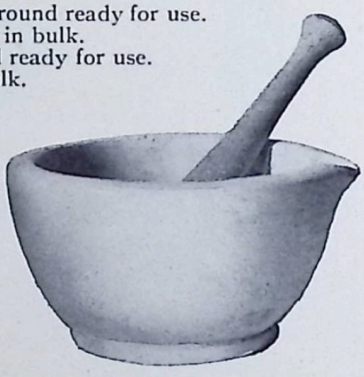
No. 635

No. 635 Set of 10 assorted transparent colors ground ready for use.
No. 635A Set of 10 assorted transparent colors in bulk.
No. 636 Set of 5 assorted opaque colors ground ready for use.
No. 636B Set of 5 assorted opaque colors in bulk.

AGATE MORTAR AND PESTLE

No. 634

This mortar is 3″ in diameter, and is indispensable when fine results are desired in grinding enamels.



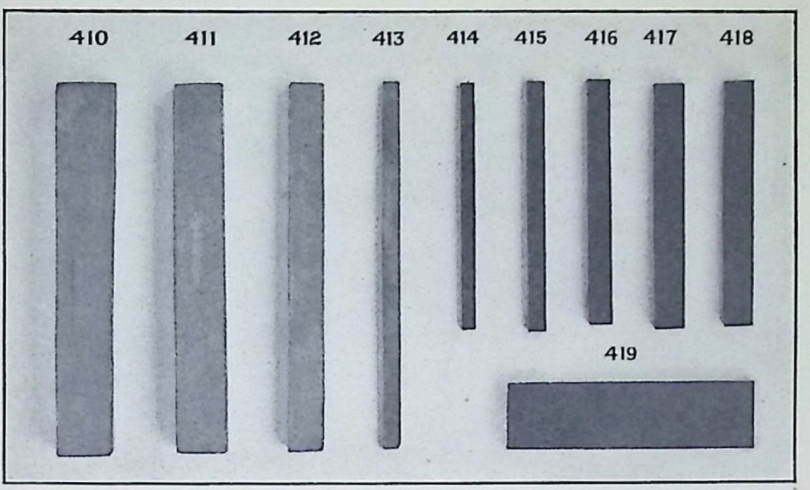
WEDGEWOOD MORTAR AND PESTLE

No. 637

This is the best mortar on the market for the beginner or for school use. With it enamel may be ground as needed.

Our No. 256 Blow Pipe or No. 660 Bunsen Burner may be used in firing enamel or small objects.

ENAMEL FILES



These files are used for stoning and finishing enameled work.

Nos. 410, 411, 412 and 413 are Scotch stones used for finishing.

Nos. 414, 415, 416, 417, 418 and 419 are carborundum stones for ruffing down work. They are made in three grades—fine, medium and coarse.

No. 638 Spatula. A tool for applying enamel.

No. 639 Brush for applying enamel.

No. 338 Wire netting 6″ square used in connection with blow pipe or bunsen when firing objects enameled.

No. 640 Enameling—a booklet by Rose, describes the work as it may be taken up in schools. It is illustrated by many examples of students' work.

NOTE

An entire chapter is given to the art of enameling in Rose and Cirino's book on Jewelry Making and Design. See page 66

In ordering give name of article as well as number.

ETCHING

No. 945

Etching has many possibilities in work with copper as it may be done by the amateur craftsman with excellent results.

It is a pleasure to work with our improved etching mordant as the results are entirely satisfactory and there are no dangerous fumes which always come from the use of nitric acid.

ETCHING OUTFIT

No. 945

Asphaltum Varnish
Brush to apply Varnish
Glass tray
Etching Mordant
Bottle of Turpentine
Bottle of Kerosene
Copy of Metal work and Etching by Adams giving detailed information for beginners.

The above outfit carefully packed in wooden box for $4.00. If the book on Etching is not wanted the price is $3.25.

Etching mordant by the quart, $1.25.

JEWELRY WORKERS' CABINET

No. 999

No. 999

A thing you have wished you owned so many times. A place for everything. A tray for designs and tracings. A tray for small tools. A tray with four divisions for pieces of metal, wires, pin stems, joints and catches, stones and other small things.

The outside case of this cabinet is made of whitewood with dado and rabbit joints and finished in ebony. The trays are made of gum wood with a natural finish. The handle and knobs on trays are of brass giving the cabinet a complete and finished appearance.

Teachers of Jewelry find it indispensable.

Price $3.00. Packing and postage $0.50.

SUPPLIES

No. 667 No. 668 No. 669 No. 670 No. 671

These supplies generally used by jewelers and silversmiths are put up in round cartons 4″ x 2½″ and are guaranteed in every way to be the best.

No. 667 Pumice is used for cleaning and polishing.

No. 668 Liver of sulphur is used for oxidizing.

No. 669 Powdered borax is a flux for soldering.

No. 670 Dry shellac when melted serves as a cement for holding a piece of jewelry while the stone is being set. Used with our shellac stick No. 322.

No. 671 Loam, or yellow ochre, is used to protect soldered joints.

The use of these supplies is fully explained in Rose and Cirino's book on "Jewelry Making and Design". See page 61 of this catalogue.

FINDINGS

Our line of findings includes everything needed for school work, chains, snap rings, swivels, settings, pin stems, joints and catches, plain and fancy wires and many more.

We also carry sheet metals of all kinds, gold, silver, copper, brass, pewter, nickel silver and aluminum.

These metals come in various thicknesses and should be ordered by Brown & Sharpe gauge. This also applies when ordering wire.

State clearly the size of sheet or number of ounces wanted as well as the gauge.

SHEET SILVER TABLE

The following tables will enable you to estimate the weight or number of ounces in sheets of various gauges.

Weight per Foot of Sterling Silver from 1″ to 4″ wide

B. & S. Gauge	1′ x 1″ Ozs.	1′ x 2″ Ozs.	1′ x 3″ Ozs.	1′ x 4″ Ozs.
10	6.80	13.60	20.40	27.20
12	5.35	10.65	16.00	21.35
14	4.25	8.55	12.80	17.05
16	3.40	6.80	10.20	13.60
18	2.65	5.35	8.00	10.65
20	2.15	4.25	6.40	8.55
22	1.65	3.35	5.00	6.65
24	1.35	2.65	4.00	5.35
26	1.05	2.15	3.20	4.25
28	.85	1.65	2.50	3.35
30	.65	1.35	2.00	2.65

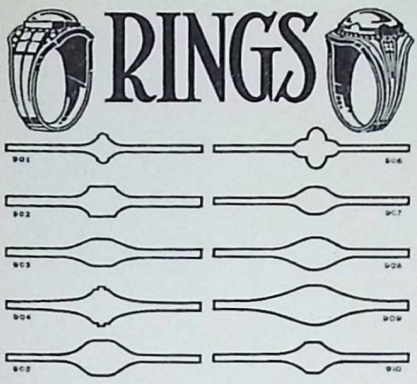
Weight per square inch of Sterling and Fine Silver, Brown & Sharpe Gauges 10-30

No.	Sterling Silver Ozs.	Fine Silver Ozs.
10	.5588	.5669
12	.4431	.4495
14	.3514	.3565
16	.2786	.2826
18	.2210	.2242
20	.1753	.1778
22	.1390	.1410
24	.1102	.1118
26	.0874	.0887
28	.0693	.0703
30	.0550	.0557

TROY WEIGHT

24 Grains.....1 Pennyweight
20 Pennyweight.....1 Ounce
12 Ounces.....1 Pound

The above table is used in weighing Gold and Silver.



RING BLANKS

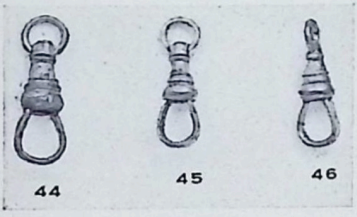
By using our ring blanks you save time, money and get better results in class work.

The design may be pierced, carved or applied.

These blanks are made in No. 18 gauge, sterling silver, unless ordered special.

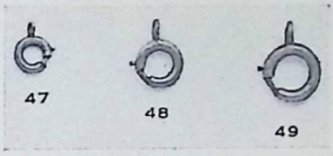
Any one of these blanks sent postpaid for 50c each. If ordered in lots of one doz., $5.00.

SWIVELS, SPRING RINGS AND CHAIN SNAPS



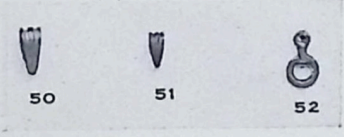
SWIVELS

Nos. 44, 45, and 46, made in sterling silver 10-K. gold



SPRING RINGS

Nos. 47, 48, 49. These rings are made in sterling silver and 10-K. gold

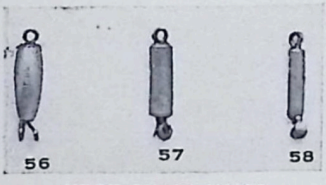


PENDANT BAILS AND LOOPS

Nos. 50 and 51 bails in sterling silver and 10-K. gold
No. 52 loop in sterling silver and 10-K. gold

PENDANT MOUNTINGS

Nos. 53, 54, 55. These are made in sterling silver, 10-K. gold

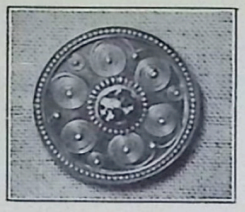


NECK CHAIN SNAPS

Nos. 56, 57, 58. In sterling silver, 10-K. gold

CUFF BUTTONS POSTS AND BEANS

No. 59. Bean and split post Made in sterling silver



WIRES

Shown on page 57

This line of wires includes every possible form that one would need for the most elaborate work.

The illustrations are about three-fourths actual size.

Nos. 20, 21 and 22 sterling silver twist wire.

Nos. 23, 24 and 25 sterling silver bead wire.

No. 26 Plain round wire, sterling silver.

No. 27 Plain flat wire, sterling silver.

No. 28 Double half round wire, sterling silver.

No. 29 Half round wire, sterling silver.

No. 30 Light weight bezel wire, sterling silver.

No. 31 Heavy weight bezel wire, sterling silver.

Nos. 32, 33, 34, 35, 36 and 37 are fancy gallery wires of sterling silver.

Nos. 38, 39, 40 and 41 plain gallery wires.

No. 42 Ornamental setting wire.

No. 43 Discontinued.

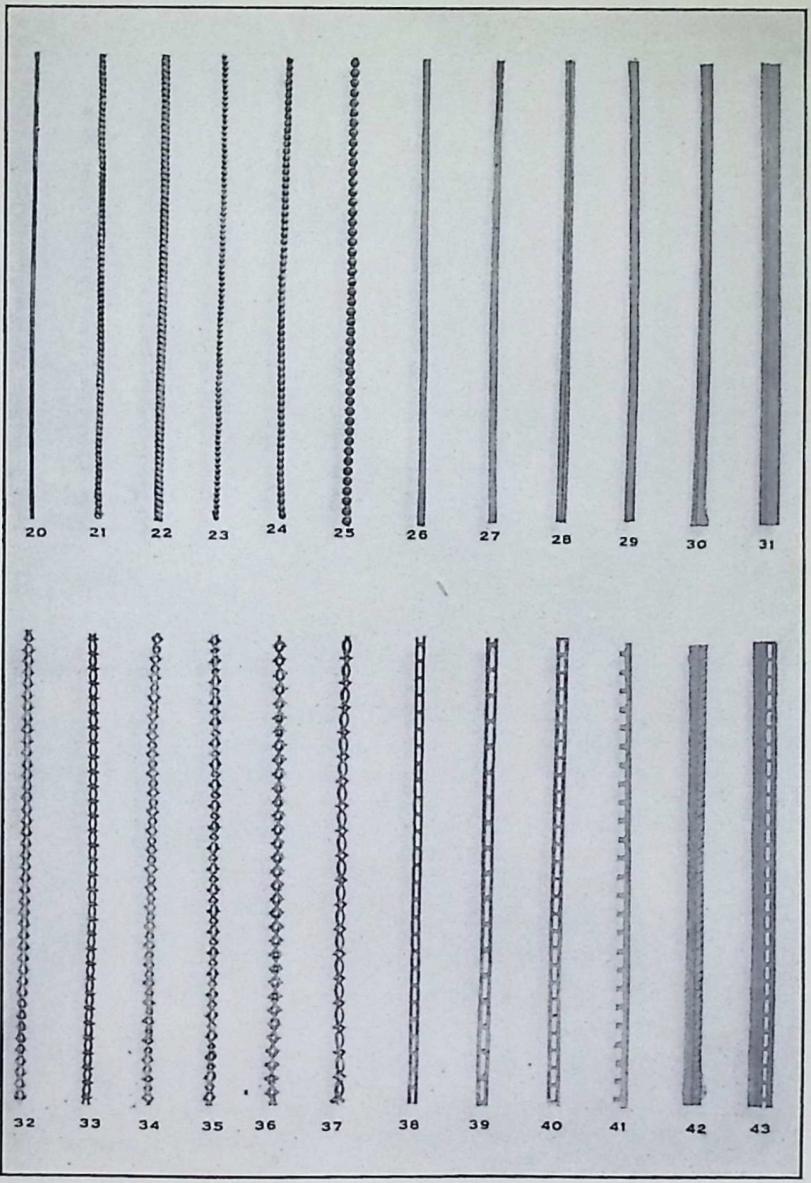
These wires are made only in sterling silver and are sold by the inch.

No. 672, ASSORTMENT "B"

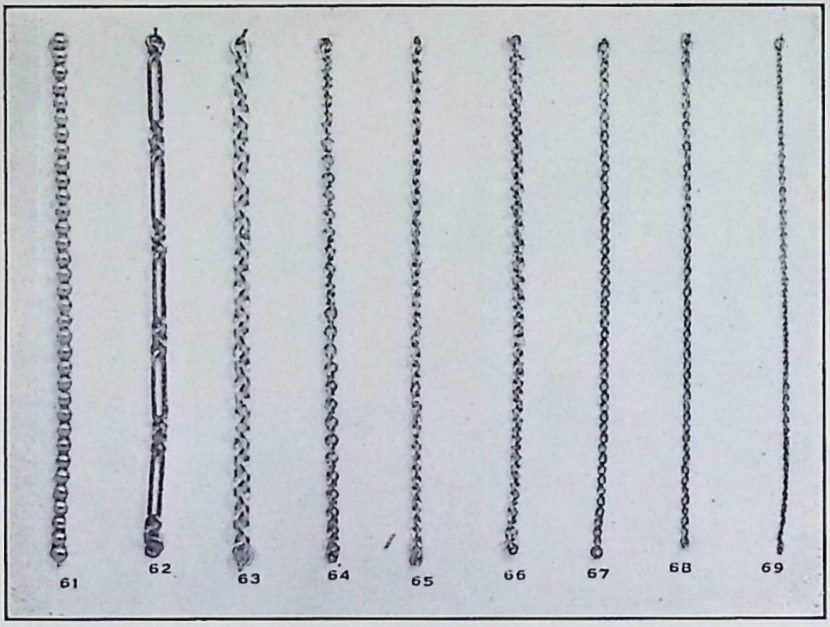
1 dozen sterling silver fancy wires; each piece 4″ long.

See price list.

WIRES



CHAIN



With these chains many attractive pieces of jewelry may be made. Long neck or muff chains with stones inserted as well as beautiful necklaces may be produced at a small expense. The numbers illustrated are the most desirable for general use. They are made in sterling silver and 10k. gold.

The chains illustrated are about three-fourths actual size.

No. 673, ASSORTMENT "A"

15 Inches sterling silver chain.

1 Sterling silver snap ring.

1 Sterling silver necklace clasp.

1 Sterling silver pendant tip.

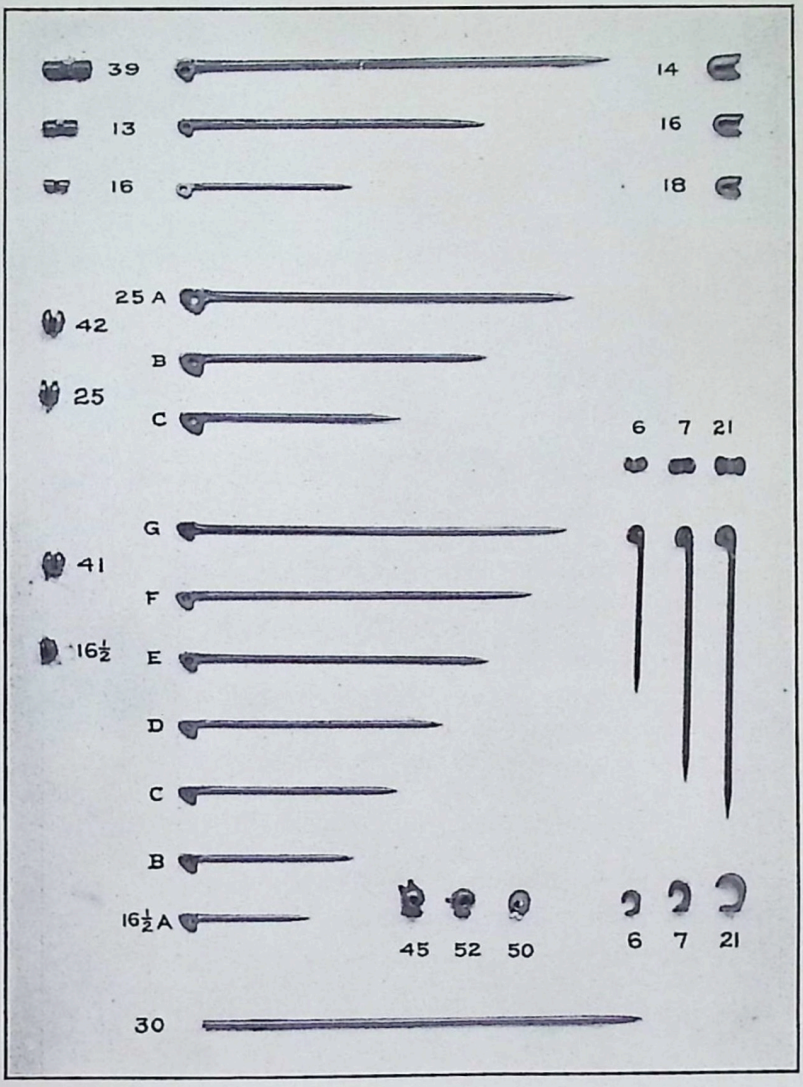
1 Socket for hat pin stem (brass).

2 Dozen assorted pins with joints and catches.

See price list.

PINS, JOINTS AND CATCHES

Nos. 6, 7, 21 made in brass, all others illustrated made in sterling silver and nickel silver. Gold furnished when ordered special.
Nos. 45, 50, 52 safety catches. See price list for detailed information.
Order by number and be careful to state exactly what is wanted.
See assortment A, No. 673



OUR BOOK DEPARTMENT

is maintained with the thought that we might render service to those interested in the Metal Crafts.

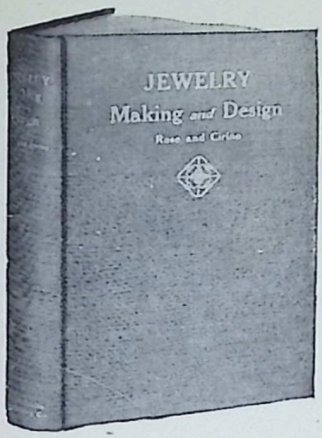
Teachers and Craftsmen in Jewelry and Metal Work have often felt the need of books and illustrative material to help them in their work, but have not known where to get them.

Because of the many requests for information of this kind, we will get for our customers any of the books or folios on the following list which we recommend as useful and worth while.

Art of the Goldsmith and Jeweler	*Wigley*	$3.75
Chats on Old Copper and Brass	*Burgess*	4.20
Chats on Old Silver	*Hayden*	4.20
Chats on Old Jewelry and Trinkets	*Percival*	4.20
Copper Work	*Rose*	2.25
Educational Metal Craft	*Davidson*	2.20
Enameling, a Booklet for Beginners	*Rose*	.35
Fashion in Gold and Small Silver Jewelry, 34 Plates, 9″ x 12″	*Perleberg*	15.00
Fashion in Gold Jewelry, 18 Plates, 9″ x 12″	*Perleberg*	9.00
How to Enamel	*Chapin*	1.50
Jewelry Making and Design	*Rose and Cirino*	10.40
Metal Work and Etching	*Adams*	.75
Silver Work and Jewelry	*Wilson*	4.50
The Curious Lore of Precious Stones	*Kunz*	6.75
Art Monograms and Lettering	*Bergling*	3.75

As these books or folios have to be ordered especially for you from the publishers you will recognize the justice of our rule, that *No Goods May Be Returned.*

All books sent postpaid at prices given.



JEWELRY MAKING AND DESIGN

BY

AUGUSTUS F. ROSE and
ANTONIO CIRINO, B. S.

Head and Assistant of the Departments of Jewelry, Silversmithing and Normal Art, Rhode Island School of Design.

A profusely illustrated text-book for students of design, craft workers and beginners in jewelry making. More than a dozen beautiful color plates and six hundred half-tone illustrations, showing every operation.

The hundreds of finished pieces of jewelry illustrated in the book are simple, yet characterized by a mastery of those principles of design that gives them artistic distinction. Those who are seeking individuality in hand-wrought jewelry will find in these pages an inexhaustible supply of examples for inspiration.

The volume contains fifty-four chapters, four hundred and eighty pages printed on heavy coated paper bound in art buckram.

This book is the result of twenty years of successful teaching of the jewelry craft and has been produced without regard to expense.

Price $10.40 Postpaid

COPPER WORK

By AUGUSTUS F. ROSE

Head of the Departments of Jewelry and Silversmithing and Normal Art
Rhode Island School of Design

A Text Book for Teachers and Students in the Manual Arts

Particularly adapted to Junior High School work

In this book the subject of Copper Work, as it may be introduced into the public schools is treated to the extent of specifying an equipment and suggesting some of the possibilities of a course. So great has been the demand for this book that a fourth edition has been printed,. It contains 124 pages including over 500 illustrations.

Price $2.25 Postpaid

STONES

Jewelry, generally speaking, is made up of stones, either precious or semi-precious, and the metal which forms the setting. In school and amateur craft work semi-precious stones serve every purpose because they are comparatively common and quite inexpensive. The variety of colors to be had in these stones make it possible to produce unusual designs of artistic merit and to adapt them to the personality and costume of the wearer.

Upon request, we will send to our patrons on memorandum, a collection of stones made up of the following assortment:

Amethyst	Opal Matrix
Lapis-lazuli	Black Opal
Turquoise	Tourmaline
Aquamarine	Chrysoprase
Topaz	Jade
Moonstone	Garnet
Agate	Azurite
Malachite	Bloodstone
Coral	Carnelian

It is our desire to serve all to the best of our ability and make it possible for everybody to see our attractive assortments, but in order to do this and keep our collections moving we are obliged to require *the return of each consignment within thirty days*. Upon its return we will gladly send another assortment thereby furnishing you with a stock of new material to select from.

STONE CUTTING

We do special order work in stone cutting. If you have a piece of mineral you would like cut or a stone to be recut or repolished send it to us with definite instructions and we are quite sure you will be pleased with the result. Quotations given in advance if desired.

When ordering special stones, state size in millimeters giving length and width, using scale below.

STANDARD MILLIMETER SCALE

ORDER FORM

METAL CRAFTS SUPPLY CO.

By using this blank in ordering tools and materials you will greatly assist us in filling your orders

DATE.....

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STREET NO. .....

CITY AND STATE.....

SHALL WE SHIP BY

MAIL ○ EXPRESS ○ FREIGHT ○

ARTICLE NO.	HOW MANY	NAME OF ARTICLE	PRICE EACH	TOTAL PRICE	

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DATE .....

SHIP TO .....

STREET NO. .....

CITY AND STATE .....

SHALL WE SHIP BY

MAIL ○ EXPRESS ○ FREIGHT ○

HOW MANY	ARTICLE NO.	NAME OF ARTICLE	PRICE EACH	TOTAL PRICE	

ÅKERMAN
STANDARD

PRICE LIST

OF

TOOLS AND MATERIALS

FOR

JEWELRY SILVERSMITHING AND COPPERWORK

REVISED PRICE LIST

September 1, 1925

METAL CRAFTS SUPPLY COMPANY

PROVIDENCE, R. I.

Page	No.		Each
		Acid Jar, 2 Gal.	$2.50
37	100	Arbors, Round	.15
37	101	" "	.15
37	102	" "	.15
37	103	" "	.15
37	104	" "	.25
37	105	" "	.25
37	106	" "	.25
37	107	" "	.25
37	108	" "	.40
37	109	" "	.40
37	110	" "	.40
37	111	" "	.40
37	112	Arbors, Flat	.20
37	113	" "	.20
37	114	" "	.20
37	115	" "	.20
37	116	" "	.35
37	117	" "	.35
37	118	" "	.35
37	119	" "	.35
37	120	" "	.50
37	121	" "	.50
37	122	" "	.50
37	123	" "	.50
36	627	Arbors, Oval	3.25
36	628	Arbors, Ring, Plain Graduated	2.50
36	629	Arbors, Ring, Plain	2.00
36	630	Arbors, Oval, Large	3.25
41	665–A	Annealing Pans	12.50
41	665–B	" "	5.00
41	665–C	" "	24.00
49	336	Asbestos Pad:	
		6" square	.35
		12" "	1.00
52		Asphaltum Varnish, ½ pt.	.30
31	401	Anvils	.80
31	402	"	.60
31	403	"	.75
31	404	"	.60
31	405	"	.60
31	406	"	.60
31	407	"	.65
31	408	"	.65
31	409	"	.50
31	410	"	.60
31	411	"	.60
31	412	"	.75
31	413	"	.65
31	414	"	.65
31	415	"	.75
31	416	"	.75
31	417	"	.75
31	418	"	.75
31	419	"	.75
32	420	"	.75
32	421	"	.75
32	422	"	.50
32	423	"	.60
32	424	"	.80
32	425	"	.80
32	426	"	.75
32	427	"	.60

Page	No.		Each
32	428	Anvils	$ .50
32	429	"	.60
30	430	"	2.75
30	431	"	2.75
30	432	"	2.75
30	433	"	3.50
30	434	"	3.50
30	435	"	3.00
29	436	"	3.00
29	437	"	4.25
29	438	"	1.50
29	850	" *per set*	16.50
			Each
33	828	Bench Anvil	4.00
49	328	Borax-Prepared	.40
49	329	Borum Junk	.50
49	330	Borax Slate:	
		4"	.30
		5"	.50
42	642	Bench-Pin Holder	1.50
42	643A	Bench Pins	.30
42	643B	" "	.20
17	255	Blow Pipes	4.25
17	256	" "	3.00
17	257	" "	.80
17	258	" "	.35
17	259	" "	7.00
17	260	" "	3.25
17	261	" " Alcohol	1.00
44	980	Blower, Motor Driven	75.00
13	317	Burnisher	.65
43	660	Bunsen Burner	2.00
43	661	Burner, Fletcher's	3.50
32	645	Bending Plate	1.00
43	662	Bellows, Foot	12.50
5	600	Bench, Portable	9.00
6	600	Bench with No. 80 Outfit	23.50
8	600	Bench with No. 360 "	22.00
49	334	Charcoal Block:	
		2¼ x 3¼	.30
		3 x 4¾	.50
49	337	Chasers' Cement	.60
14	269	Calipers	.80
46	666	Crucible	.65
49	323	Copper Wire, per Coil	.30
			Per Set
18	247	Chasing Tools and Punches (12 in set)	9.00
18	248	Chasing Tools and Punches (6 in set)	5.00
18	249	Chasing Tools and Punches (12 in set)	10.00
18	252	Chasing Tools and Punches (12 in set)	9.00
18	254	Chasing Tools and Punches (12 in set)	9.00
			Each
14	266	Center Punch	.25
8	9	Clamps, Ring	.75
39	625A	Dapping Blocks, Lead	1.00
39	625B	" " "	.45
18	253	"Tools (12 in set) *per set*	5.50
11	962	"Die	2.50
14	270	Dividers	.65
49	324	Diaomtine, per bottle	1.00

Page	No.		Each
22	653	Drill, Bench	$7.50
22	654	Drill Press, frame only	3.50
22	655	Drill, Hand	3.75
22	656	" "	1.50
21	488	Drill, Hand	2.25
24	850	" Motor Driven	25.00
42	641	Drills (36 assort. sizes) *per set*	5.25
40	370–A	Draw Plates, Square: per hole	.30
40	370–B	Draw Plates, Oblong: per hole	.30
40	370–C	Draw Plates, Round: per hole	.30
			Per Set
15	360	Engraving Tools (5)	1.75
15	361	" " (5)	1.75
50	944	Enamel Cups: Set of 5, Porcelain	.75
50	635	Enamels, set of 10 Transparent Colors	1.80
50	635A	Enamels set of 10 transparent in Bulk	3.00
50	636	Enamels, set of 5 Opaque Colors	1.00
50	636B	Enamel set of 5 Opaque in bulk	1.50
			Each
15	362	Engravers' Chuck	.60
15	366	" "	.45
38	620	Engravers' Ball	2.50
50	940	Enameling Outfit	8.00
51	410	Enamel Files	.25
51	411	" "	.20
51	412	" "	.15
51	413	" "	.15
51	414	" "	.50
51	415	" "	.50
51	416	" "	.50
51	417	" "	.75
51	418	" "	.75
51	419	" "	.75
51	638	Enamel Tool (Spatula)	.15
51	639	Enamel Brush	.40
51	942	Enamel Bottles	.10
51	640	Enameling, a Booklet	.35
52	945	Etching Outfit	4.00
52	941	" Mordant, 1 qt	1.25
10	339	Files	.60
10	340	"	.75
10	341	"	.50
10	342	"	.40
10	343	"	.40
10	344	"	.60
10	345	"	.60
10	346	"	.65
10	347	"	.65
10	348	"	.65
10	349	"	.75
10	350	"	.60
10	351	"	.60
10	352	"	.60
10	353	"	.60
10	354	(Set of 12 4¾") *per set*	2.50
10	354A	(Set of 12 5½") *per set*	2.75
10	355	(Set of 12 6¼") *per set*	$3.00
			Each
10	356	File Brush	.75
10	357	" Handle	.20
10	358	" "	.15
10	359	" "	.10
13	320	Graver, Diamond Point	.35
13	321	" Inside	.50
21	485	Grinder	9.00
40	374	Gauge Plate Wire	2.75
26	201	Hammers, Cast	1.25
26	202	" "	1.25
26	203	" "	1.00
26	204	" "	1.00
26	205	" "	1.25
26	206	" "	1.00
26	207	" "	1.25
26	208	" "	1.00
26	209	" "	1.00
26	210	" "	1.25
26	211	" "	1.25
26	212	" "	1.25
26	213	" "	1.00
26	214	" "	1.00
26	215	" "	1.00
26	216	" "	1.25
28	217	Hammers, Steel	4.00
28	218	" "	3.50
28	219	" "	3.00
28	220	" "	3.00
28	221	" "	3.50
28	222	" "	3.50
28	223	" "	4.00
28	224	" "	6.00
28	225	" "	8.00
28	226	" "	6.00
28	227	" "	4.50
28	228	" "	1.75
28	229	" "	Discontinued
28	230	" "	3.50
28	231	" "	3.00
28	232	" "	4.50
28	233	" "	4.50
28	234	" "	3.50
28	235	" "	3.50
27	602	" "	3.50
27	603	Handle and Spout Tool	7.00
52	999	Jewelry Workers Cabinet	3.50
50	634	Mortar and Pestle, Agate	18.00
50	637	Mortar and Pestle, Wedgewood	2.25
35	611	Mandrels	5.00
35	612	"	3.00
35	613	"	5.50
25	400	Mallets	1.50
25	401	"	1.25
25	402	"	1.50
25	403	"	1.10
25	404	"	1.50
25	405	"	.75
20	240	Nippers	1.30
20	246	"	1.00
15	364	Oil-Can, Copper	.30
6	80	Outfit, Home	16.00

Page	No.		Each
8	360	Outfit, Individual	$15.00
32b	601	Outfit, Gas Generator	25.50
49	326	Pearl Cement	.80
49	327	Pearl Cement	.90
39	621	Pitchpans	.35
39	622	"	1.00
39	623	"	1.25
39	624	Pitchbowls	2.00
38	618	Pads, Ring	3.00
38	619	Pads, Solid	3.00
41	367	Pickle Pan, per lb	1.25
41	366A	Pickle Pitcher:	
		1 qt	1.00
		2 qt	1.25
		3 qt	1.35
		4 qt	1.60
44	960	Polishing Bench	135.00
23	649	" Head	6.00
24	820	" Lathe, Motor Driven	27.50
23	648	Polishing Machine Foot Power	26.00
47	275	Polishing Tools	.75
47	276	" "	.60
47	277	" "	.45
47	278	" "	.40
47	279	" "	.50
47	280	" "	.40
47	281	" "	.75
47	282	" "	.60
47	283	" "	.75
47	284	" "	.85
47	285	" "	.65
47	286	" "	.45
47	287	" "	.60
47	288	" "	.50
47	289	" "	.35
47	290	" "	.40
47	291	" "	.50
47	292	" "	1.00
47	293	" "	.75
47	294	" "	.25
47	295	" "	.35
47	296	" "	.80
47	297	" "	.80
13	305	Pliers	1.00
13	306	"	.90
13	307	"	.90
13	308	"	.90
13	309	"	1.00
13	316	"	1.35
20	244	" Diagonal Cutting	1.50
20	245	" Side Cutting	1.75
13	319	Pusher for Stonesetting	.25
24	825	Rheostat	3.75
18	250	Rivet Headers, set of 6	3.00
18	251	" Set	.75
17	262	Rubber Tubing:	*Per ft.*
		3–16″ & ¼″	.10
		5–16″, 3–8″ & ½″	.18
		5–8″ & ¾″	.22
			Each
49	333	Rouge—Stick	.40
42	372	Ring—Sizes	2.00

Page	No.		Each
13	322	Shellac Stick	$ .50
13	318	Scraper, Steel	.50
49	332	Soft Soldering Fluid	.35
32	608	Stake, Flat Top	7.00
33	609	Surface Plate, Circular	4.00
33	610	" " "	4.00
34	900	" " Rotary	15.00
33	646	" "	6.50
14	263	Square, 6 in	1.50
14	264	" 12 in	2.25
14	265	Steel Rule, 6 in	.90
14	271	Saw Frames, 4 in	1.25
14	272	" " 2 in	1.00
14	273	" " 2 in	2.25
			Doz.
14	274	Saws, Piercing	.35
			Each
53	667	Pumice	.30
53	668	Liver of Sulphur	1.50
53	669	Powdered Borax	.25
53	670	Dry Shellac	.60
53	671	Loam	.35

Sheet Metals

54 Gold, Silver, Copper Brass, Nickel Silver, Aluminum and solders at market price.

Because of the unsettled condition of the metal market it is impossible to give prices.

Quotations will be made on application.

Page	No.		Each
32b	606	Surface Gauge	$3.75
15	363	Scribers' Awl	.35
15	365	Stone, India, Oil	.85
32a	304	Snarling Iron	3.00
32a	302	Spout and Handle Tool	6.00
32a	303	" " " "	6.00
20		Shears:	
20	236	2½″ Straight	2.50
20	238	2½″ Curved	3.75
32b	659	Bench Shear	40.00
20	239	Lightweight Snips	1.25
20	242	8″ Silversmiths' Straight	1.50
20	243	8″ " Curved	2.25
20	237	2″ Snips	1.25
20	241	Jewelers' Snips	2.00
13	312	Tweezers	.25
13	313	"	.25
13	314	"	.20
13	315	"	.50
49	335	Tripoli, Cake	.20
32a	298	Tongs	3.50
32a	299	"	3.50
32a	300	"	3.00
32a	301	"	1.25
40	363	"	2.90
14	267	Vise	1.50
14	268	"	2.50

Page	No.		Each
13	310	Vise	$2.00
13	311	"	1.25
45	738	"	10.00
45	615	Vise, Bench	2.00

Page	No.		Each
45	616	Vise, Bench	$2.75
49	325	Wire, Iron	.20
49	331	Wire, Iron Spool	.10
49	338	Wire Netting	.25

FINDINGS

WIRES

Wires made only in Sterling Silver unless ordered special.

Page	No.		Per Inch
57	20	Twist Wire	$ .02
	21	" "	.03
	22	" "	.04
	23	Beaded Wire	.02
	24	" "	.03
	25	" "	.04
			Per dwt.
	26	Round Wire, all Gauges	.10
	27	Flat Wire, all Gauges	.10
	28	Half Round, Double	.10
	29	" "	.10
			Per Inch
	30	Bezel Wire light weight	.05
	31	" " heavy	.06
	32	Fancy Gallery Wire	.05
	33	" " "	.05
	34	" " "	.05
	35	" " "	.05
	36	" " "	.05
	37	" " "	.06
	38	Plain Gallery Wire	.05
	39	" " "	.06
	40	" " "	.06
	41	" " "	.06
	42	Ornamental Setting Wire	.06
	43	" " "	.07
56	672	Assortment "B" Wires	2.00
58	673	" "A" Chain	2.00
58		Chain:	

Page	No.		*10K Gold*	*Sterling Silver*
58	61	per inch	..	.10
	62	" "	..	.14
	63	" "	.40	.12
	64	" "	.20	.10
	65	" "	.20	.10
	66	" "	.18	.10
	67	" "	.12	.08
	68	" "	.12	.06
	69	" "	.10	.05

Swivels

Page	No.	*10K Gold each*	*Sterling Silver each*
55	44	$1.50	$ .30
	45	1.00	.25
	46	1.00	.25

Spring Rings

Page	No.	*10K Gold each*	*Sterling Silver each*
55	47	.50	.20
	48	.75	.25
	49	.90	.30

Pendant Bails and Loops

Page	No.	*10K Gold each*	*Sterling Silver each*
55	50	.20	.10
	51	.16	.08
	52	.25	.12

Pendant Mountings

Page	No.	*10K Gold each*	*Sterling Silver each*
55	53	.20	.06
	54	.25	.07
	55	.22	.08

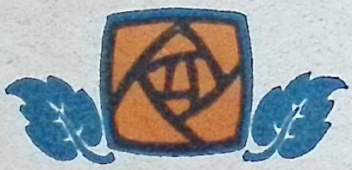
Neck Chain Snaps

Page	No.	*10K Gold each*	*Sterling Silver each*
55	56	.30	.20
	57	.40	.25
	58	.35	.20

55 Cuff Buttons, Posts and Beans
59 Made in Sterling Silver only .40

Pins, Joints and Catches

Page	No.		*Nickel Silver Pin, joint and catch Each*	*Sterling Silver Pin, joint and catch Each*
59	39	2¼"	.06	.15
	13	1½"	.05	.12
	16	⅞"	.04	.08
	25-A	2"	.06	.14
	25-B	1¼"	.05	.12
	25-C	1⅛"	.04	.10
	16½-A	5⅛"	.04	.08
	16½-B	⅞"	.04	.08
	16½-C	1⅛"	.05	.10
	16½-D	1¼"	.05	.10
	16½-E	1½"	.05	.12
	16½-F	1¾"	.06	.12
	16½-G	2"	.06	.14



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